

# Converting Colors

XYZ(74.9845, 79.8036, 95.2491)

Have a look what the booklet for  
XYZ(74.9845, 79.8036, 95.2491)  
contains.

<b>XYZ(75.0078, 79.6536, 95.4258)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.0078, 79.6536,  
95.4258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE8F2
RGB	222, 232, 242
RGB Percent	87%, 91%, 95%
CMY	0.1294, 0.0902, 0.0510
CMYK	0.08, 0.04, 0.00, 0.05
HSL	210°, 43%, 91%
HSV	210°, 8%, 95%
XYZ	75.0078, 79.6536, 95.4258
YIQ	230.1500, -9.1700, 0.9900

# Conversions

## Conversions Part 2

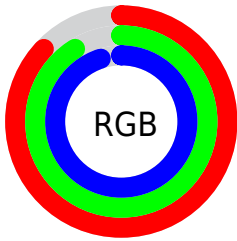
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 229, 242
Decimal	14608626
CIE Lab	91.53, -1.43, -6.00
CIE LCh	92, 6.169, 256.559
Yxy	79.6536, 0.2999, 0.3185
Android (android.graphics.Color)	4292798706 (0xFFDEE8F2)
YUV	230.1500, 5.8420, -7.1476
Hunter-Lab	89.2489, -6.1680, -0.9193

# Details

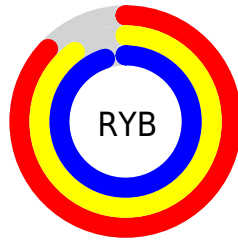
The XYZ color **75.0078, 79.6536, 95.4258** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.6597, 81.8638, 80.7640**, and the grayscale version is **75.2897, 79.2106, 86.2604**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3246, 42.8113, 52.5925** is the 20% darker color. If you saturate the color by 10%, you get **64.8331, 69.5286, 94.0090**, and if you desaturate by 10%, it is **86.4853, 90.8025, 96.9741**.

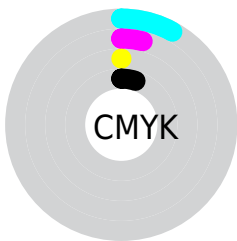
# Distribution



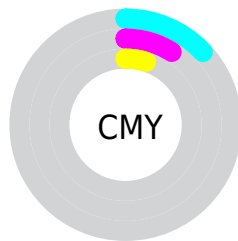
- Red (87%)
- Green (91%)
- Blue (95%)



- Red (87%)
- Yellow (90%)
- Blue (95%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0078, 79.6536, 95.4258 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.0078, 79.6536, 95.4258 by changing the saturation by 10% instead.



■ 75.0078, 79.6536,  
95.4258

■ 75.0078, 79.6536,  
95.4258

466.9411,  
493.7647, 566.5464

■ 55.9135, 59.4333,  
71.8906

125.3113,  
132.8786, 156.8534

■ 40.3703, 42.9621,  
52.5830

157.2511,  
166.6521, 195.5828

■ 28.0129, 29.8553,  
37.0845

194.2035,  
205.7122, 240.2140

■ 18.4759, 19.7288,  
24.9767

236.5338,  
250.4432, 291.1656

■ 11.3939, 12.1981,  
15.8408

284.6073,  
301.2296, 348.8561

■ 6.4017, 6.8787,  
9.2584

338.7895,

■ 3.1338, 3.3864,

358.4557, 413.7040

4.8110

399.4457,  
422.5059, 486.1279

■ 1.2249, 1.3366,  
2.0800

■ 0.1259, 0.1693,  
0.6038

■ 75.0078, 79.6536,  
95.4258

■ 75.0078, 79.6536,  
95.4258

■ 64.8331, 69.5286,  
94.0090

■ 86.4853, 90.8025,  
96.9741

■ 55.9046, 60.3847,  
92.7146

■ 93.0273, 99.1909,  
98.2484

■ 48.1713, 52.1908,  
91.5406

■ 41.5761, 44.9101,  
90.4829

■ 36.0566, 38.5025,  
89.5370

■ 31.5440, 32.9248,  
88.6983

■ 27.9603, 28.1285,  
87.9614

■ 25.2144, 24.0580,  
87.3204

■ 23.1805, 20.6393,  
86.7677

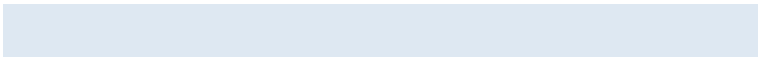
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6485, 79.6536, 93.1689



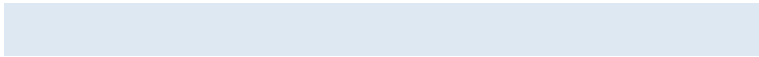
75.0078, 79.6536, 95.4258



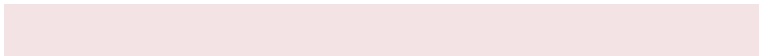
76.5732, 79.6536, 95.2959

# Triad

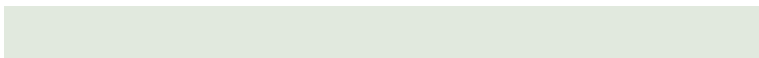
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0078, 79.6536, 95.4258



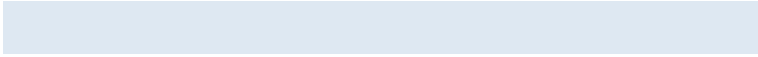
78.6433, 79.6536, 84.2850



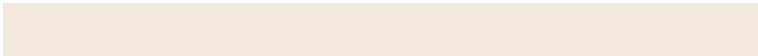
73.5344, 79.6536, 80.9109

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



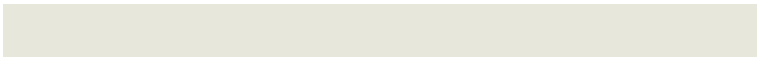
75.0078, 79.6536, 95.4258



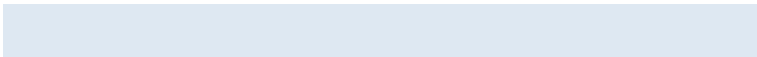
78.6597, 81.8638, 80.7640

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8500, 79.6536, 78.6920



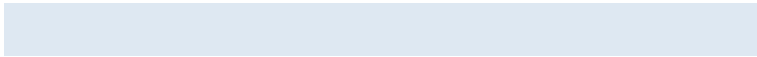
75.0078, 79.6536, 95.4258



77.8062, 79.6536, 80.5933

# Square

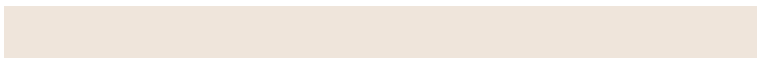
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



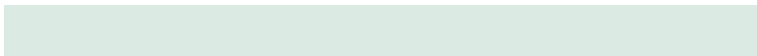
75.0078, 79.6536, 95.4258



78.6870, 79.6536, 88.7574



76.4133, 79.6536, 78.5778

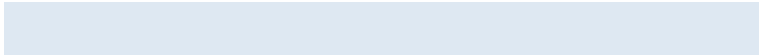


72.8059, 79.6536, 84.7322



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0078, 79.6536, 95.4258



77.5234, 79.6536, 93.8715



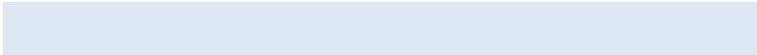
76.4133, 79.6536, 78.5778



73.9218, 79.6536, 79.9588

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.0101, 79.6570, 95.4276



92.3907, 97.4299, 108.5441



76.3958, 84.8425, 88.4470



19.8033, 20.8810, 23.2366



0.0000, 0.0000, 0.0000

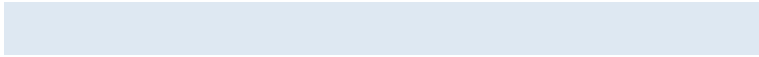


20.3446, 21.4041, 23.3091

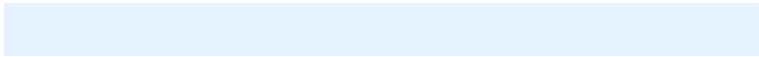


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0101, 79.6570, 95.4276



82.3508, 87.6162, 107.1790



72.3624, 74.3616, 94.5450



15.5505, 16.5351, 20.0936



12.4224, 11.0691, 46.6097



1.1329, 1.1198, 3.9107



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.3065, 76.9476, 87.1257



85.4631, 84.0018, 95.9145



81.4571, 87.4585, 81.6965



16.1025, 15.8907, 18.0962



21.5959, 10.9108, 11.0545

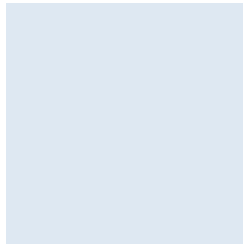


1.8468, 0.9278, 1.1841



# Previews

## White Background



This preview shows how the XYZ color 75.0078, 79.6536, 95.4258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

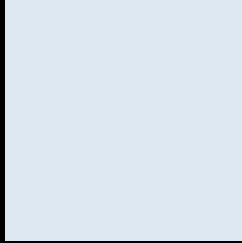
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0078, 79.6536, 95.4258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

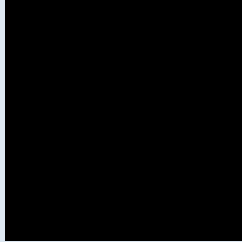
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

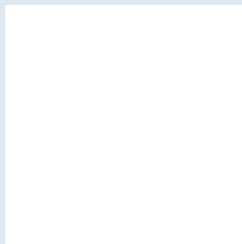
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.0078, 79.6536, 95.4258

## Background



This preview shows how black text looks on a background with the XYZ color 75.0078, 79.6536, 95.4258.



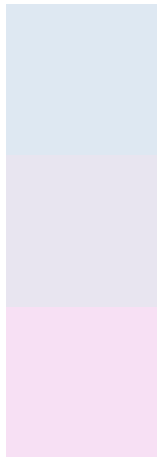
This preview shows how white text looks on a background with the XYZ color 75.0078, 79.6536,

95.4258.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.0078, 79.6536, 95.4258

### Protanopia

77.0262, 79.4857, 93.7206

### Deuteranopia

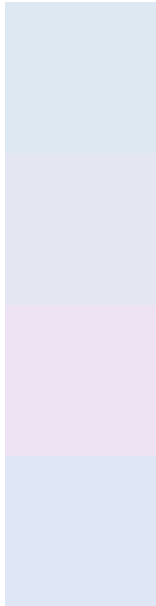
81.3426, 79.6171, 96.6684



## Tritanopia

76.1062, 79.6794, 100.9910

# Trichromacy



## Original Color

75.0078, 79.6536, 95.4258

## Protanomaly

76.1689, 79.4385, 94.5377

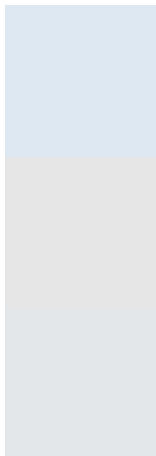
## Deuteranomaly

78.9066, 79.5864, 95.9969

## Tritanomaly

75.6419, 79.4936, 98.5458

# Monochromacy



## Original Color

75.0078, 79.6536, 95.4258

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.1058, 79.4232, 89.2136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0078, 79.6536, 95.4258 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(222, 232, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 232, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0078, 79.6536, 95.4258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 232, 242) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(222, 232, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(222, 232, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(222, 232,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0078, 79.6536, 95.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 232, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
232, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor