

# Converting Colors

XYZ(75.2039, 80.8427, 90.5445)

Have a look what the booklet for  
XYZ(75.2039, 80.8427, 90.5445)  
contains.

<b>XYZ(75.1587, 80.6911, 90.2109)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(75.1587, 80.6911,  
90.2109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EAEB
RGB	224, 234, 235
RGB Percent	88%, 92%, 92%
CMY	0.1216, 0.0823, 0.0784
CMYK	0.05, 0.00, 0.00, 0.08
HSL	185°, 22%, 90%
HSV	185°, 5%, 92%
XYZ	75.1587, 80.6911, 90.2109
YIQ	231.1240, -6.2810, -1.8090

# Conversions

## Conversions Part 2

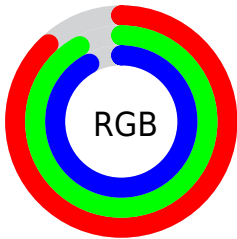
Format	Color
R <sub>Y</sub> B	224, 229, 235
Decimal	14740203
CIE Lab	91.99, -3.13, -1.65
CIE LCh	92, 3.535, 207.767
Yxy	80.6911, 0.3054, 0.3279
Android (android.graphics.Color)	4292930283 (0xFFE0EAEB)
YUV	231.1240, 1.9109, -6.2477
Hunter-Lab	89.8282, -7.8496, 3.3372

# Details

The XYZ color **75.1587, 80.6911, 90.2109** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6410, 76.8937, 81.4303**, and the grayscale version is **76.0395, 79.9994, 87.1194**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4193, 43.5305, 48.9197** is the 20% darker color. If you saturate the color by 10%, you get **67.7713, 75.9908, 89.6942**, and if you desaturate by 10%, it is **83.5646, 85.9317, 90.7806**.

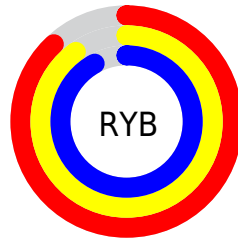
# Distribution



Red (88%)

Green (92%)

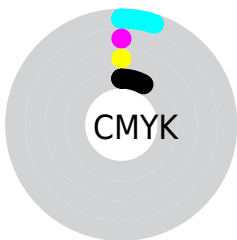
Blue (92%)



Red (88%)

Yellow (90%)

Blue (92%)

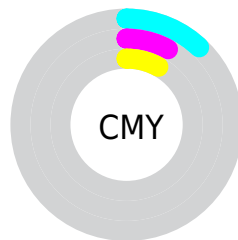


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (8%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1587, 80.6911, 90.2109 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 75.1587, 80.6911, 90.2109 by changing the saturation by 10% instead.



■ 75.1587, 80.6911,  
90.2109

■ 75.1587, 80.6911,  
90.2109

467.4516,  
497.2588, 549.3045

■ 56.0375, 60.2872,  
67.5809

125.5237,  
134.3369, 149.5694

■ 40.4701, 43.6502,  
49.0923

157.4982,  
168.3477, 187.1349

■ 28.0911, 30.3956,  
34.3266

194.4880,  
207.6629, 230.5161

■ 18.5352, 20.1390,  
22.8652

236.8582,  
252.6669, 280.1313

■ 11.4369, 12.4962,  
14.2896

284.9744,  
303.7441, 336.3993

■ 6.4310, 7.0825,  
8.1813

339.2017,

■ 3.1520, 3.5138,

361.2789, 399.7384

4.1218

399.9057,  
425.6557, 470.5673

■ 1.2346, 1.4055,  
1.6924

■ 0.1335, 0.2208,  
0.3555

■ 75.1587, 80.6911,  
90.2109

■ 75.1587, 80.6911,  
90.2109

■ 67.7713, 75.9908,  
89.6942

■ 83.5646, 85.9317,  
90.7806

■ 61.3543, 71.7993,  
89.2234

■ 86.8865, 88.5601,  
91.1129

■ 55.8664, 68.0975,  
88.7981

■ 87.5108, 89.8086,  
91.3210

■ 51.2601, 64.8609,  
88.4162

■ 88.1424, 91.0718,  
91.5315

47.4841, 62.0630,  
88.0752

88.7814, 92.3498,  
91.7445

44.4816, 59.6744,  
87.7724

89.4278, 93.6426,  
91.9600

42.1885, 57.6622,  
87.5048

90.0816, 94.9503,  
92.1779

40.5305, 55.9879,  
87.2690

90.7429, 96.2728,  
92.3983

39.4166, 54.6046,  
87.0607

91.4117, 97.6103,  
92.6213

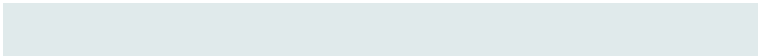
# Harmonies

## Analogous

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



74.9617, 80.6911, 87.6640



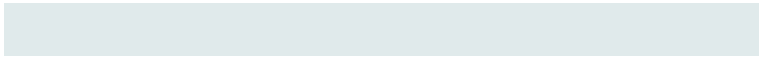
75.1587, 80.6911, 90.2109



75.7663, 80.6911, 92.1602

# Triad

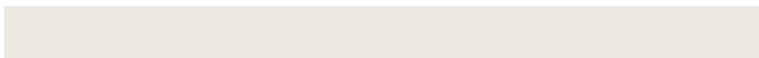
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1587, 80.6911, 90.2109



78.1820, 80.6911, 90.5551



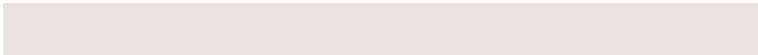
76.7626, 80.6911, 82.9527

# Complementary

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



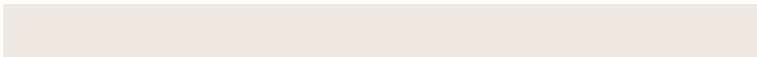
75.1587, 80.6911, 90.2109



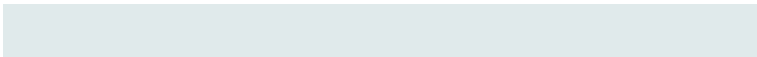
74.6410, 76.8937, 81.4303

# Split Complementary

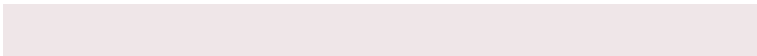
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6302, 80.6911, 83.6935



75.1587, 80.6911, 90.2109



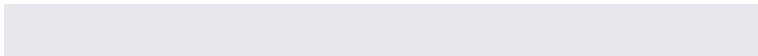
78.4538, 80.6911, 88.0541

# Square

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



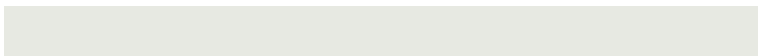
75.1587, 80.6911, 90.2109



77.5114, 80.6911, 92.3617



78.2510, 80.6911, 85.5481



75.8833, 80.6911, 83.5048

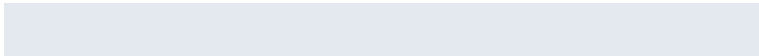


# Rectangle

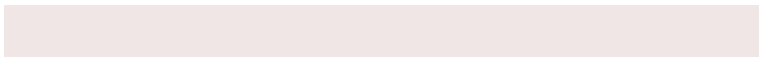
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



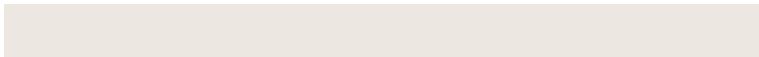
75.1587, 80.6911, 90.2109



76.3248, 80.6911, 92.8408



78.2510, 80.6911, 85.5481



77.0653, 80.6911, 83.0585

# Sweetspot

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



75.1610, 80.6945, 90.2127



94.0444, 99.3723, 108.8318



74.0293, 80.6970, 82.8502



20.1400, 21.2764, 23.2952



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

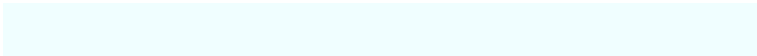


# Same Dimension

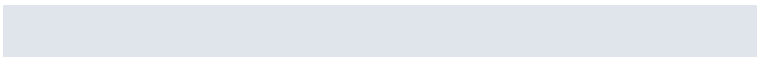
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1610, 80.6945, 90.2127



89.2029, 96.3319, 108.5002



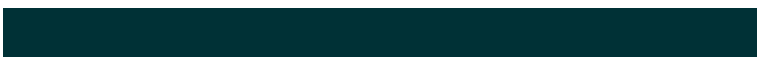
73.6413, 77.6551, 89.7061



15.8559, 17.1677, 19.4003



21.7382, 30.1234, 48.4116



1.7411, 2.4338, 3.8129



# Inverse Universe

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



75.7697, 76.9155, 88.6986



90.1395, 90.5348, 106.1665



76.1297, 79.8711, 81.9265



16.0395, 16.0329, 18.9425



25.8277, 12.5338, 36.4897

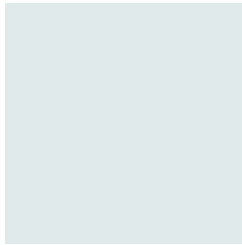


2.0453, 0.9911, 2.9562



# Previews

## White Background



This preview shows how the XYZ color 75.1587, 80.6911, 90.2109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

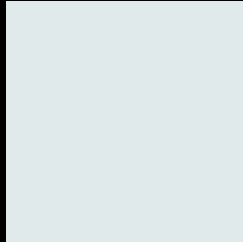
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1587, 80.6911, 90.2109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

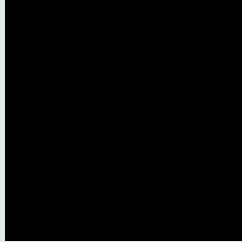
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

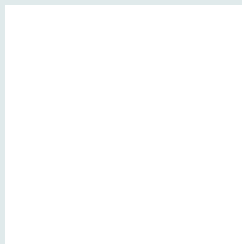
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1587, 80.6911, 90.2109**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1587, 80.6911, 90.2109.



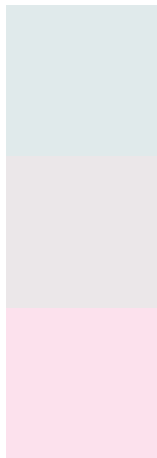
This preview shows how white text looks on a background with the XYZ color 75.1587, 80.6911,



# 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

75.1587, 80.6911, 90.2109

### Protanopia

77.5448, 80.6972, 88.5799

### Deuteranopia

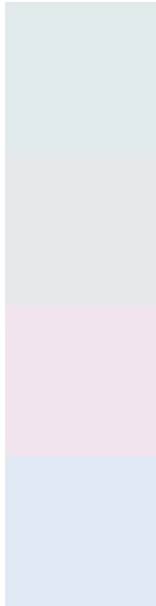
82.3562, 80.6603, 91.3491



## Tritanopia

77.4760, 80.7841, 101.9520

# Trichromacy



## Original Color

75.1587, 80.6911, 90.2109

## Protanomaly

76.6629, 80.6427, 89.3669

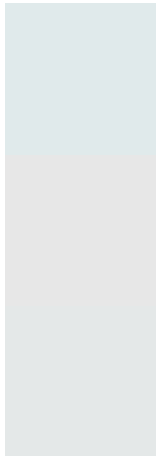
## Deuteranomaly

79.5017, 80.4202, 90.6893

## Tritanomaly

76.6717, 80.8780, 97.9562

# Monochromacy



## Original Color

75.1587, 80.6911, 90.2109

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.4170, 80.0334, 87.8170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1587, 80.6911, 90.2109 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(224, 234, 235) looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 235)  
}
```

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(224, 234, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1587, 80.6911, 90.2109 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(224, 234, 235) }
```



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

```
.border{ border-color:rgb(224, 234, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 234, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 234, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 234, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 234,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1587, 80.6911, 90.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 234, 235) }
```

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

```
.background{ background-color: rgb(224,  
234, 235) }
```

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](#).

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