

# Converting Colors

XYZ(75.6261, 82.6057, 93.9725)

Have a look what the booklet for  
XYZ(75.6261, 82.6057, 93.9725)  
contains.

<b>XYZ(75.6697, 82.5967, 93.6159)</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(75.6697, 82.5967,  
93.6159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEEEF
RGB	220, 238, 239
RGB Percent	86%, 93%, 94%
CMY	0.1372, 0.0666, 0.0627
CMYK	0.08, 0.00, 0.00, 0.06
HSL	183°, 37%, 90%
HSV	183°, 8%, 94%
XYZ	75.6697, 82.5967, 93.6159
YIQ	232.7320, -11.0490, -3.5050

# Conversions

## Conversions Part 2

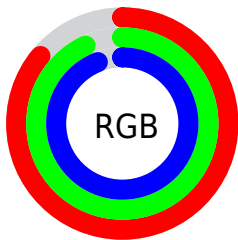
Format	Color
R <sub>Y</sub> B	220, 229, 239
Decimal	14479087
CIE Lab	92.84, -5.72, -2.53
CIE LCh	93, 6.252, 203.839
Yxy	82.5967, 0.3004, 0.3279
Android (android.graphics.Color)	4292669167 (0xFFDC <sup>EE</sup> EEF)
YUV	232.7320, 3.0901, -11.1660
Hunter-Lab	90.8827, -10.4242, 2.5448

# Details

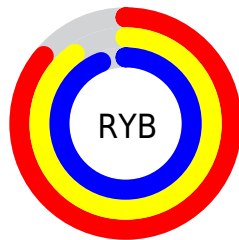
The XYZ color **75.6697, 82.5967, 93.6159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3716, 75.2304, 78.3125**, and the grayscale version is **77.2360, 81.2583, 88.4903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7922, 44.8741, 51.3113** is the 20% darker color. If you saturate the color by 10%, you get **68.5841, 78.4063, 93.1818**, and if you desaturate by 10%, it is **83.7967, 87.3322, 94.1029**.

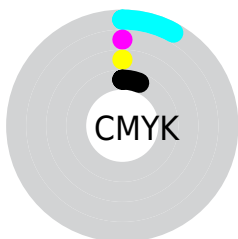
# Distribution



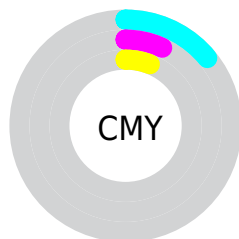
- Red (86%)
- Green (93%)
- Blue (94%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (7%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6697, 82.5967, 93.6159 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 75.6697, 82.5967, 93.6159 by changing the saturation by 10% instead.



■ 75.6697, 82.5967,  
93.6159

■ 75.6697, 82.5967,  
93.6159

469.1781,  
503.6414, 560.5951

■ 56.4578, 61.8575,  
70.3930

126.2427,  
137.0105, 154.3301

■ 40.8085, 44.9176,  
51.3682

158.3346,  
171.4538, 192.6585

■ 28.3565, 31.3925,  
36.1230

195.4505,  
211.2340, 236.8592

■ 18.7364, 20.8979,  
24.2387

237.9558,  
256.7355, 287.3506

■ 11.5828, 13.0494,  
15.2970

286.2159,  
308.3425, 344.5514

■ 6.5305, 7.4626,  
8.8791

340.5960,

■ 3.2139, 3.7530,

366.4396, 408.8800

4.5667

401.4616,  
431.4111, 480.7551

■ 1.2679, 1.5364,  
1.9411

■ 0.1590, 0.3141,  
0.5187

■ 75.6697, 82.5967,  
93.6159

■ 75.6697, 82.5967,  
93.6159

■ 68.5841, 78.4063,  
93.1818

■ 83.7967, 87.3322,  
94.1029

■ 62.4890, 74.7282,  
92.7931


■ 88.1313, 90.1141,  
94.4114


■ 57.3403, 71.5415,  
92.4494


■ 88.5026, 90.8567,  
94.5352


■ 53.0871, 68.8204,  
92.1483


■ 88.8764, 91.6044,  
94.6598


 49.6744, 66.5363,  
91.8873


 89.2528, 92.3573,  
94.7852


 47.0407, 64.6574,  
91.6635


 89.6318, 93.1152,  
94.9116


 45.1163, 63.1480,  
91.4735

 90.0133, 93.8783,  
95.0388

 43.8188, 61.9654,  
91.3137

 90.3975, 94.6466,  
95.1668

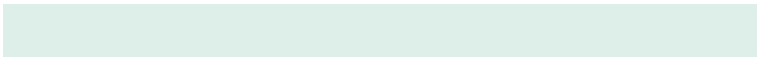
 43.0356, 61.0517,  
91.1786

 90.7842, 95.4200,  
95.2957

# Harmonies

## Analogous

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



75.4264, 82.5967, 88.9725



75.6697, 82.5967, 93.6159



76.6683, 82.5967, 97.3879

# Triad

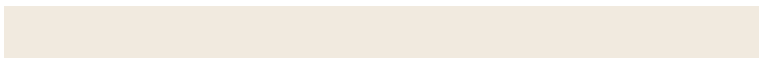
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6697, 82.5967, 93.6159



81.0671, 82.5967, 95.3426



78.8430, 82.5967, 81.2897

# Complementary

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



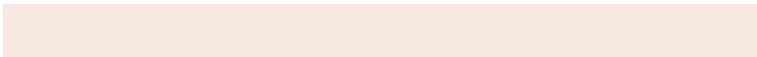
75.6697, 82.5967, 93.6159



74.3716, 75.2304, 78.3125

# 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.



80.3722, 82.5967, 82.8700



75.6697, 82.5967, 93.6159



81.6677, 82.5967, 90.9019

# Square

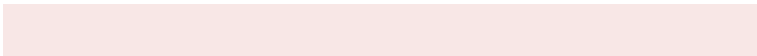
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6697, 82.5967, 93.6159



79.7811, 82.5967, 98.4087



81.4117, 82.5967, 86.3495



77.2440, 82.5967, 81.9599

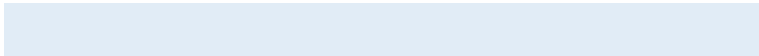


# Rectangle

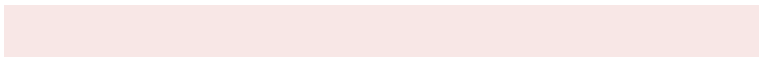
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



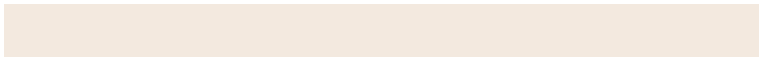
75.6697, 82.5967, 93.6159



77.6353, 82.5967, 98.8465



81.4117, 82.5967, 86.3495



79.3825, 82.5967, 81.5735

# Sweetspot

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



75.6721, 82.6002, 93.6177



93.1133, 98.8750, 108.7849



73.4275, 82.1678, 80.3629



19.9504, 21.1751, 23.2857



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

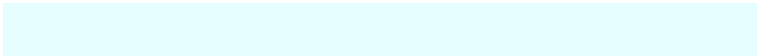


# Same Dimension

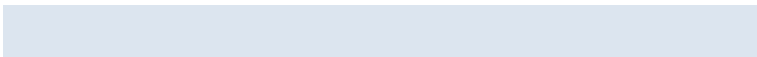
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6721, 82.6002, 93.6177



85.8578, 94.6301, 108.3480



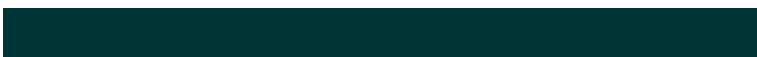
72.9914, 77.2389, 92.7242



16.1722, 17.7786, 20.3008



23.7405, 33.7052, 50.3824



1.9966, 2.8471, 4.1985



# Inverse Universe

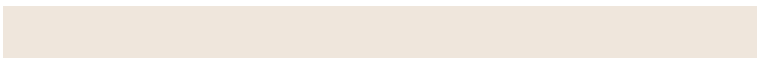
The Inverse Universe completely reimagines the original color for something new.



76.6242, 75.7117, 91.4683



87.2333, 84.7099, 105.2360



76.9384, 80.3638, 79.1681



16.4164, 16.0163, 19.7488



27.3087, 13.1959, 41.1378

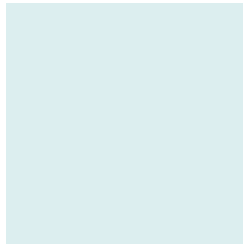


2.2827, 1.1021, 3.4797



# Previews

## White Background



This preview shows how the XYZ color 75.6697, 82.5967, 93.6159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

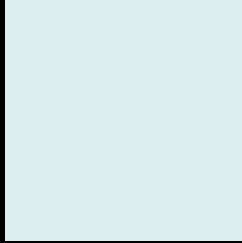
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6697, 82.5967, 93.6159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

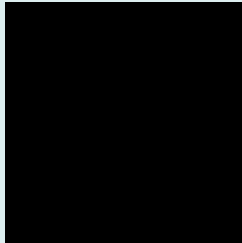
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

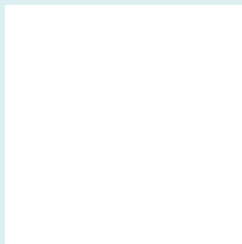
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6697, 82.5967, 93.6159**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6697, 82.5967, 93.6159.



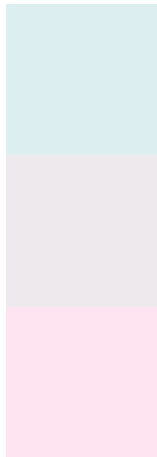
This preview shows how white text looks on a background with the XYZ color 75.6697, 82.5967,

93.6159.

# 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

75.6697, 82.5967, 93.6159

### Protanopia

79.5391, 82.5111, 91.0910

### Deuteranopia

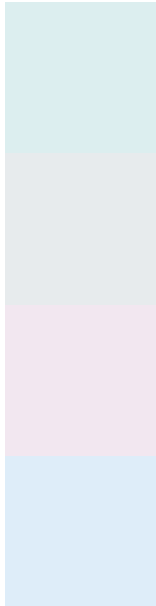
84.2193, 82.3599, 94.6773



## Tritanopia

78.3163, 82.8346, 105.6269

# Trichromacy



## Original Color

75.6697, 82.5967, 93.6159

## Protanomaly

77.9494, 82.5200, 91.9403

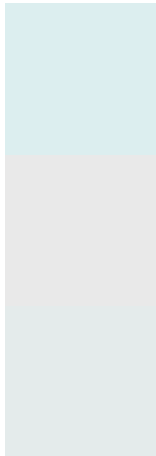
## Deuteranomaly

80.9220, 82.3203, 94.0624

## Tritanomaly

77.5073, 82.9375, 101.5460

# Monochromacy



## Original Color

75.6697, 82.5967, 93.6159

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.6986, 81.9088, 90.3648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6697, 82.5967, 93.6159 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(220, 238, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 239)  
}
```

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(220, 238, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6697, 82.5967, 93.6159 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(220, 238, 239) }
```



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

```
.border{ border-color:rgb(220, 238, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6697, 82.5967, 93.6159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 239) }
```

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

```
.background{ background-color: rgb(220,  
238, 239) }
```

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