

Converting Colors

XYZ(67.3904, 73.7562, 87.9595)

Have a look what the booklet for
XYZ(67.3904, 73.7562, 87.9595)
contains.

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Color

**XYZ(67.3539, 73.8005,
87.7858)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE3E9
RGB	205, 227, 233
RGB Percent	80%, 89%, 91%
CMY	0.1961, 0.1098, 0.0863
CMYK	0.12, 0.03, 0.00, 0.09
HSL	193°, 39%, 86%
HSV	193°, 12%, 91%
XYZ	67.3539, 73.8005, 87.7858
YIQ	221.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

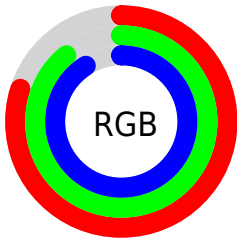
Format	Color
R_{YB}	205, 217, 233
Decimal	13493225
CIE _{Lab}	88.83, -6.07, -5.41
CIE _{LCh}	89, 8.132, 221.671
Yxy	73.8005, 0.2942, 0.3224
Android (android.graphics.Color)	4291683305 (0xFFCDE3E9)
YUV	221.1060, 5.8637, -14.1250
Hunter-Lab	85.9072, -10.3881, -0.4515

Details

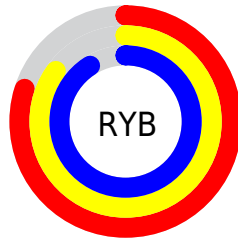
The XYZ color **67.3539, 73.8005, 87.7858** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9184, 68.3196, 67.3662**, and the grayscale version is **68.7711, 72.3526, 78.7919**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4508, 39.2587, 47.3042** is the 20% darker color. If you saturate the color by 10%, you get **60.0545, 68.0425, 87.0603**, and if you desaturate by 10%, it is **75.6543, 80.1372, 88.5726**.

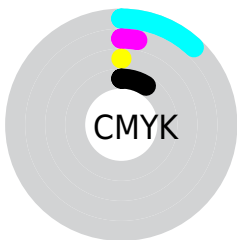
Distribution



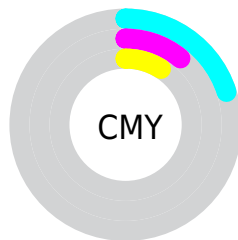
- Red (80%)
- Green (89%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3539, 73.8005, 87.7858 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 67.3539, 73.8005, 87.7858 by changing the saturation by 10% instead.

67.3539, 73.8005,
87.7858

67.3539, 73.8005,
87.7858

440.6161,
473.7845, 541.1846

49.6440, 54.6308,
65.5824

114.4744,
124.6130, 146.1674

35.3473, 39.1062,
47.4791

144.6157,
157.0245, 183.1827

24.0983, 26.8423,
33.0575

179.6315,
194.6187, 225.9723

15.5317, 17.4548,
21.8990

219.8873,
237.7801, 274.9548

9.2821, 10.5593,
13.5851

265.7482,
286.8929, 330.5488

4.9842, 5.7713,
7.6972

317.5798,

2.2727, 2.7065,

342.3417, 393.1727

3.8169

375.7473,
404.5108, 463.2451

■ 0.7806, 0.9805,
1.5254

■ 0.0000, 0.0000,
0.2368

■ 67.3539, 73.8005,
87.7858

■ 67.3539, 73.8005,
87.7858

■ 60.0545, 68.0425,
87.0603

■ 75.6543, 80.1372,
88.5726

■ 53.7071, 62.8316,
86.3890

■ 84.9891, 87.0644,
89.4177

■ 48.2683, 58.1468,
85.7714

■ 87.6930, 90.6329,
89.9640

■ 43.6886, 53.9621,
85.2051

■ 89.1985, 93.6438,
90.4658

■ 39.9136, 50.2490,
84.6873

■ 90.7447, 96.7363,
90.9812

■ 36.8823, 46.9755,
84.2153

■ 91.7082, 98.6633,
91.3023

■ 34.5248, 44.1051,
83.7855

■ 32.7571, 41.5939,
83.3939

■ 31.6623, 39.7915,
83.1037

Harmonies

Analogous

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



66.5010, 73.8005, 82.5706



67.3539, 73.8005, 87.7858



68.9609, 73.8005, 91.0990

Triad

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



67.3539, 73.8005, 87.7858



73.8023, 73.8005, 83.8157



69.3818, 73.8005, 70.1947

Complementary

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



67.3539, 73.8005, 87.7858



67.9184, 68.3196, 67.3662

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.



71.3429, 73.8005, 70.4930



67.3539, 73.8005, 87.7858



73.9201, 73.8005, 78.1818

Square

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



67.3539, 73.8005, 87.7858



72.6935, 73.8005, 88.7340



73.0125, 73.8005, 73.3581



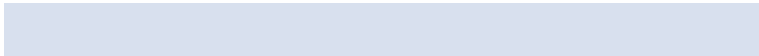
67.6571, 73.8005, 72.5231

Rectangle

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



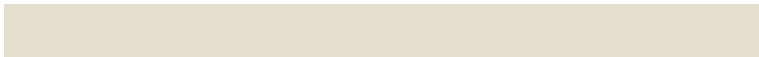
67.3539, 73.8005, 87.7858



70.2557, 73.8005, 91.6936



73.0125, 73.8005, 73.3581



70.0348, 73.8005, 69.9941

Sweetspot

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



67.3560, 73.8036, 87.7874



90.7035, 96.7306, 108.4980



66.0248, 75.9413, 72.5450



19.2442, 20.5755, 23.2071



0.0000, 0.0000, 0.0000



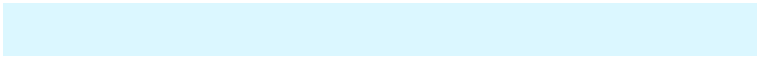
20.3446, 21.4041, 23.3091

Same Dimension

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



67.3560, 73.8036, 87.7874



80.7229, 89.0650, 107.5445



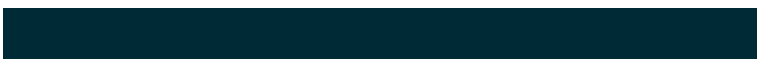
63.7811, 66.6536, 86.5958



15.2280, 16.5424, 19.3127



18.0596, 22.7661, 47.1854



1.4862, 1.9238, 3.7279

Inverse Universe

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



69.3024, 66.5338, 81.8663



83.4931, 78.8170, 99.0952



71.4421, 75.3671, 68.5408



15.5686, 15.2553, 18.2797



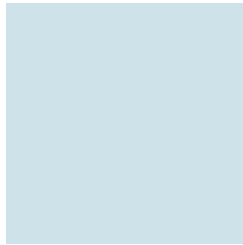
23.9709, 11.7911, 26.7120



1.9167, 0.9396, 2.2785

Previews

White Background



This preview shows how the XYZ color 67.3539, 73.8005, 87.7858 looks on a white background.

Color Contrast Check

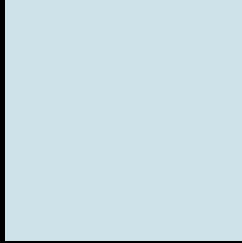
Large Text (above 18pt) WCAG AA × Fail

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 67.3539, 73.8005, 87.7858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

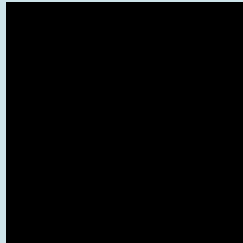
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.3539, 73.8005, 87.7858

Background



This preview shows how black text looks on a background with the XYZ color 67.3539, 73.8005, 87.7858.

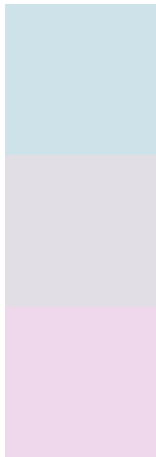


This preview shows how white text looks on a background with the XYZ color 67.3539, 73.8005,

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

67.3539, 73.8005, 87.7858

Protanopia

71.4555, 73.9633, 85.3731

Deuteranopia

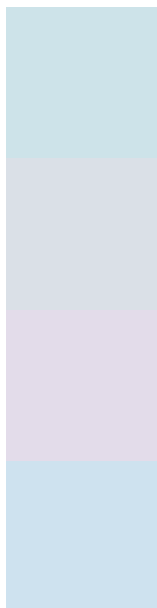
75.1479, 73.4606, 88.8159



Tritanopia

68.8350, 73.5869, 95.3697

Trichromacy



Original Color

67.3539, 73.8005, 87.7858

Protanomaly

69.9929, 73.9863, 86.1931

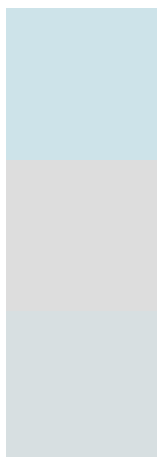
Deuteranomaly

72.1230, 73.4578, 88.2194

Tritanomaly

68.2299, 73.7465, 92.2998

Monochromacy



Original Color

67.3539, 73.8005, 87.7858

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.0026, 72.6587, 81.6746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3539, 73.8005, 87.7858 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(205, 227, 233) looks like.

```
.text, #text, p{  
    color:rgb(205, 227, 233)  
}
```

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(205, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 227, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.3539, 73.8005, 87.7858 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(205, 227, 233) }
```


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

```
.border{ border-color:rgb(205, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 227, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 227, 233);  
box-shadow:4px 4px 4px 4px rgb(205, 227,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3539, 73.8005, 87.7858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 227, 233) }
```

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

```
.background{ background-color: rgb(205,  
227, 233) }
```

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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