

Converting Colors

XYZ(65.7993, 69.5553, 89.7948)

Have a look what the booklet for
XYZ(65.7993, 69.5553, 89.7948)
contains.

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Color

**XYZ(65.8111, 69.3790,
90.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDAED
RGB	206, 218, 237
RGB Percent	81%, 85%, 93%
CMY	0.1921, 0.1451, 0.0706
CMYK	0.13, 0.08, 0.00, 0.07
HSL	217°, 46%, 87%
HSV	217°, 13%, 93%
XYZ	65.8111, 69.3790, 90.0436
YIQ	216.5780, -13.2510, 3.3650

Conversions

Conversions Part 2

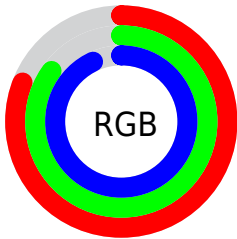
Format	Color
R _{YB}	206, 215, 237
Decimal	13556461
CIE Lab	86.69, -0.29, -10.67
CIE LCh	87, 10.677, 268.419
Yxy	69.3790, 0.2922, 0.3080
Android (android.graphics.Color)	4291746541 (0xFFCEDAEED)
YUV	216.5780, 10.0680, -9.2769
Hunter-Lab	83.2941, -4.7308, -5.7886

Details

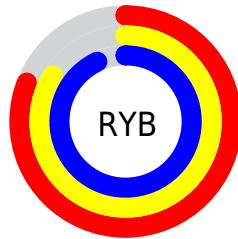
The XYZ color **65.8111, 69.3790, 90.0436** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.9914, 76.3111, 69.2765**, and the grayscale version is **65.6061, 69.0227, 75.1658**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3866, 36.2060, 48.8921** is the 20% darker color. If you saturate the color by 10%, you get **56.1188, 59.0357, 88.5591**, and if you desaturate by 10%, it is **76.8296, 80.8996, 91.6877**.

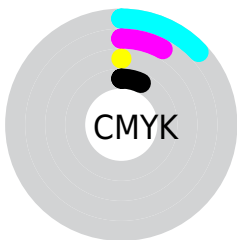
Distribution



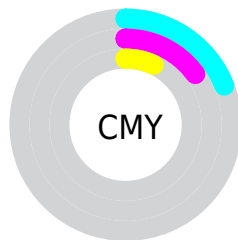
- Red (81%)
- Green (85%)
- Blue (93%)



- Red (81%)
- Yellow (84%)
- Blue (93%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (19%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8111, 69.3790, 90.0436 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 65.8111, 69.3790, 90.0436 by changing the saturation by 10% instead.

■ 65.8111, 69.3790,
90.0436

■ 65.8111, 69.3790,
90.0436

435.2003,
458.3665, 548.7464

■ 48.3862, 51.0204,
67.4429

112.2744,
118.3227, 149.3350

■ 34.3454, 36.2249,
48.9808

142.0435,
149.6767, 186.8628

■ 23.3232, 24.6079,
34.2387

176.6581,
186.1312, 230.2033

■ 14.9543, 15.7852,
22.7982

216.4835,
228.0708, 279.7752

■ 8.8734, 9.3723,
14.2407

261.8851,
275.8797, 335.9969

■ 4.7152, 4.9848,
8.1476

313.2281,

■ 2.1142, 2.2383,

329.9423, 399.2869

4.1004

370.8781,
390.6432, 470.0640

■ 0.6969, 0.7408,
1.6806

■ 0.0000, 0.0000,
0.3474

■ 65.8111, 69.3790,
90.0436

■ 65.8111, 69.3790,
90.0436

■ 56.1188, 59.0357,
88.5591

■ 76.8296, 80.8996,
91.6877

■ 47.6939, 49.8215,
87.2246

■ 89.2179, 93.6264,
93.4913

■ 40.4820, 41.6969,
86.0365

■ 92.2863, 98.8945,
94.3464

■ 34.4223, 34.6172,
84.9894

■ 29.4481, 28.5337,
84.0773

■ 25.4854, 23.3932,
83.2939

■ 22.4496, 19.1364,
82.6323

■ 20.2399, 15.6943,
82.0844

■ 19.0929, 13.7277,
81.7652

Harmonies

Analogous

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



63.4750, 69.3790, 87.7931



65.8111, 69.3790, 90.0436



68.2399, 69.3790, 88.2105

Triad

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



65.8111, 69.3790, 90.0436



70.2293, 69.3790, 69.2226



61.9603, 69.3790, 68.6083

Complementary

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



65.8111, 69.3790, 90.0436



72.9914, 76.3111, 69.2765

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.



63.6975, 69.3790, 64.1484



65.8111, 69.3790, 90.0436



68.4735, 69.3790, 64.4871

Square

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



65.8111, 69.3790, 90.0436



70.8288, 69.3790, 75.9196



66.0744, 69.3790, 62.6874



61.2865, 69.3790, 75.1655

Rectangle

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



65.8111, 69.3790, 90.0436



69.5770, 69.3790, 84.9801



66.0744, 69.3790, 62.6874



62.4371, 69.3790, 66.8298

Sweetspot

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



65.8132, 69.3819, 90.0451



89.4347, 94.1930, 108.0751



69.2752, 79.1059, 82.5675



18.9229, 19.9329, 23.1000



0.0000, 0.0000, 0.0000



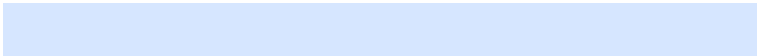
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8132, 69.3819, 90.0451



74.1359, 78.1382, 105.7825



63.6816, 63.8285, 89.0856



14.7094, 15.5053, 19.1398



10.5420, 7.7310, 44.6796



0.9186, 0.7887, 3.5387

Inverse Universe

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



69.6529, 67.2108, 75.6347



79.6197, 75.1674, 85.1730



75.3248, 82.5013, 70.3484



15.3069, 15.1506, 16.9013



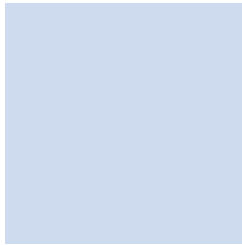
20.1764, 10.2733, 6.7303



1.6302, 0.8250, 0.7699

Previews

White Background



This preview shows how the XYZ color 65.8111, 69.3790, 90.0436 looks on a white background.

Color Contrast Check

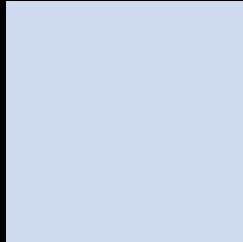
Large Text (above 18pt) WCAG AA × Fail

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 65.8111, 69.3790, 90.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

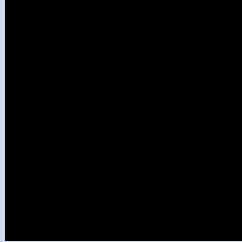
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

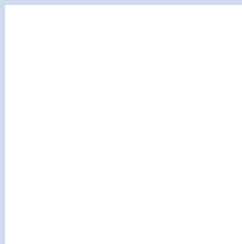
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8111, 69.3790, 90.0436

Background



This preview shows how black text looks on a background with the XYZ color 65.8111, 69.3790, 90.0436.



This preview shows how white text looks on a background with the XYZ color 65.8111, 69.3790,

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

65.8111, 69.3790, 90.0436

Protanopia

67.3202, 69.0461, 88.3763

Deuteranopia

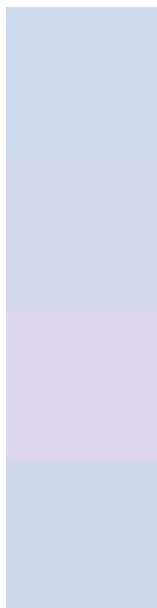
70.7218, 69.2556, 90.5291



Tritanopia

65.6653, 69.3207, 89.2762

Trichromacy



Original Color

65.8111, 69.3790, 90.0436

Protanomaly

66.8476, 69.1649, 89.1838

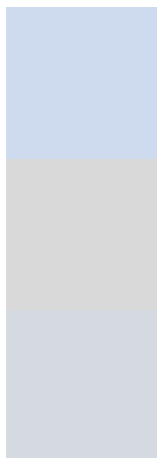
Deuteranomaly

68.9944, 69.4818, 90.6639

Tritanomaly

65.6653, 69.3207, 89.2762

Monochromacy



Original Color

65.8111, 69.3790, 90.0436

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7080, 69.1537, 80.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8111, 69.3790, 90.0436 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(206, 218, 237) looks like.

```
.text, #text, p{  
    color:rgb(206, 218, 237)  
}
```

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(206, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 218, 237) }
```

Border

The CSS property to change the border of an element to XYZ 65.8111, 69.3790, 90.0436 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(206, 218, 237) }
```


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

```
.border{ border-color:rgb(206, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 218, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 218, 237); box-shadow:4px 4px 4px 4px rgb(206, 218, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8111, 69.3790, 90.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 218, 237) }
```

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

```
.background{ background-color: rgb(206,  
218, 237) }
```

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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