

Converting Colors

XYZ(64.8934, 71.7272, 83.9376)

Have a look what the booklet for
XYZ(64.8934, 71.7272, 83.9376)
contains.

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Color

**XYZ(65.0162, 71.8694,
83.8442)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E1E4
RGB	201, 225, 228
RGB Percent	79%, 88%, 89%
CMY	0.2118, 0.1176, 0.1059
CMYK	0.12, 0.01, 0.00, 0.11
HSL	187°, 33%, 84%
HSV	187°, 12%, 89%
XYZ	65.0162, 71.8694, 83.8442
YIQ	218.1660, -15.2670, -4.1550

Conversions

Conversions Part 2

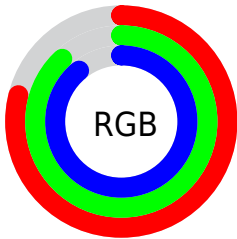
Format	Color
R _Y B	201, 214, 228
Decimal	13230564
CIE Lab	87.91, -7.32, -4.17
CIE LCh	88, 8.421, 209.671
Yxy	71.8694, 0.2946, 0.3256
Android (android.graphics.Color)	4291420644 (0xFFC9E1E4)
YUV	218.1660, 4.8482, -15.0546
Hunter-Lab	84.7758, -11.4626, 0.7046

Details

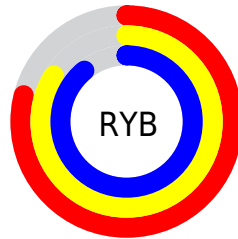
The XYZ color **65.0162, 71.8694, 83.8442** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1307, 63.8964, 64.2127**, and the grayscale version is **66.7319, 70.2072, 76.4556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9502, 37.9696, 45.0747** is the 20% darker color. If you saturate the color by 10%, you get **58.6577, 67.5853, 83.3536**, and if you desaturate by 10%, it is **72.2987, 76.6487, 84.3840**.

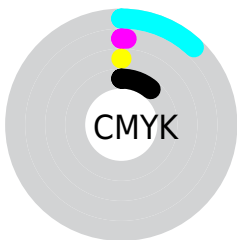
Distribution



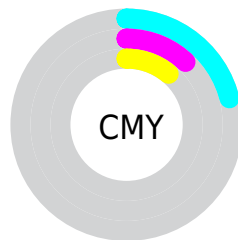
- Red (79%)
- Green (88%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0162, 71.8694, 83.8442 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 65.0162, 71.8694, 83.8442 by changing the saturation by 10% instead.

■ 65.0162, 71.8694,
83.8442

■ 65.0162, 71.8694,
83.8442

432.3945,
467.0869, 527.8402

■ 47.7390, 53.0520,
62.3422

111.1387,
121.8708, 140.6170

■ 33.8306, 37.8443,
44.8717

140.7147,
153.8237, 176.7248

■ 22.9258, 25.8619,
31.0141

175.1210,
190.9237, 218.5384

■ 14.6591, 16.7203,
20.3511

214.7230,
233.5555, 266.4761

■ 8.6652, 10.0353,
12.4639

259.8860,
282.1033, 320.9567

■ 4.5788, 5.4224,
6.9341

310.9753,

■ 2.0345, 2.4971,

336.9515, 382.3985

3.3431

368.3563,
398.4846, 451.2202

■ 0.6532, 0.8752,
1.2724

■ 0.0000, 0.0000,
0.0390

■ 65.0162, 71.8694,
83.8442

■ 65.0162, 71.8694,
83.8442

■ 58.6577, 67.5853,
83.3536

■ 72.2987, 76.6487,
84.3840

■ 53.1771, 63.7669,
82.9054

■ 80.5366, 81.9338,
84.9699

■ 48.5334, 60.3948,
82.4993

■ 84.2686, 84.9111,
85.3479

■ 44.6802, 57.4451,
82.1330

■ 84.9885, 86.3508,
85.5879

41.5661, 54.8912,
81.8042

85.7187, 87.8112,
85.8313

39.1339, 52.7036,
81.5101

86.4592, 89.2923,
86.0781

37.3179, 50.8483,
81.2477

87.2101, 90.7942,
86.3284

36.0389, 49.2844,
81.0133

87.9715, 92.3170,
86.5822

35.2882, 48.1703,
80.8378

88.7434, 93.8606,
86.8395

Harmonies

Analogous

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



64.5286, 71.8694, 78.1902



65.0162, 71.8694, 83.8442



66.3824, 71.8694, 88.1700

Triad

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



65.0162, 71.8694, 83.8442



71.6898, 71.8694, 83.9592



68.3318, 71.8694, 67.7293

Complementary

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



65.0162, 71.8694, 83.8442



64.1307, 63.8964, 64.2127

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.



70.2739, 71.8694, 69.1100



65.0162, 71.8694, 83.8442



72.2357, 71.8694, 78.3169

Square

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



65.0162, 71.8694, 83.8442



70.2349, 71.8694, 88.2386



71.7126, 71.8694, 72.9171



66.4200, 71.8694, 69.0517

Rectangle

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



65.0162, 71.8694, 83.8442



67.6212, 71.8694, 89.6195



71.7126, 71.8694, 72.9171



69.0029, 71.8694, 67.8916

Sweetspot

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



65.0183, 71.8724, 83.8458



91.0364, 97.3964, 108.6090



62.6951, 72.2507, 67.5809



19.3287, 20.7446, 23.2353



0.0000, 0.0000, 0.0000



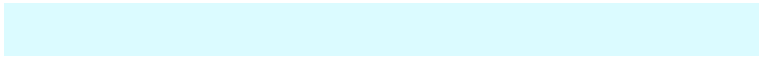
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0183, 71.8724, 83.8458



81.8628, 91.3446, 107.9244



61.5857, 65.0072, 82.7016



14.6637, 16.0488, 18.4692



20.4309, 27.9240, 46.6962



1.5489, 2.1418, 3.4637

Inverse Universe

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



66.4738, 63.7050, 80.0304



84.0684, 79.0471, 102.1248



67.4031, 70.4411, 65.3035



14.9226, 14.5862, 17.7927



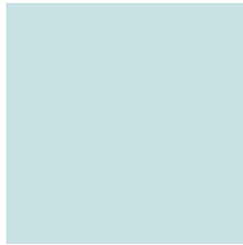
24.7061, 12.0167, 33.6769



1.8455, 0.8959, 2.5927

Previews

White Background



This preview shows how the XYZ color 65.0162, 71.8694, 83.8442 looks on a white background.

Color Contrast Check

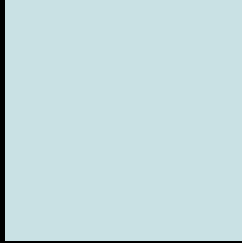
Large Text (above 18pt) WCAG AA × Fail

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 65.0162, 71.8694, 83.8442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

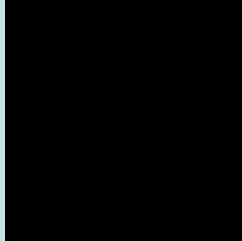
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

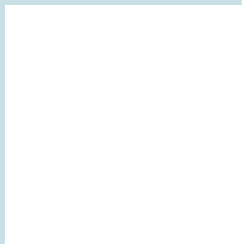
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0162, 71.8694, 83.8442

Background



This preview shows how black text looks on a background with the XYZ color 65.0162, 71.8694, 83.8442.

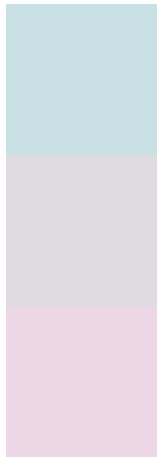


This preview shows how white text looks on a background with the XYZ color 65.0162, 71.8694,

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

65.0162, 71.8694, 83.8442

Protanopia

69.2175, 71.7328, 80.7187

Deuteranopia

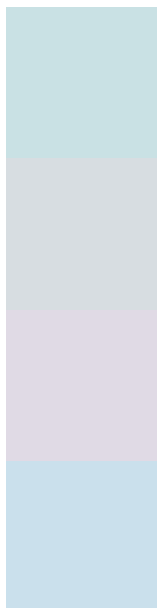
73.2545, 71.8108, 84.8629



Tritanopia

66.8935, 71.8227, 93.5566

Trichromacy



Original Color

65.0162, 71.8694, 83.8442

Protanomaly

67.4714, 71.5962, 81.4975

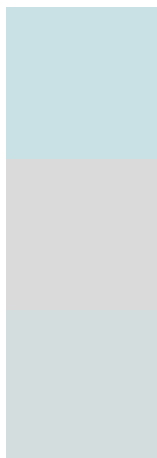
Deuteranomaly

69.9547, 71.6472, 84.2710

Tritanomaly

66.1531, 71.9240, 89.7530

Monochromacy



Original Color

65.0162, 71.8694, 83.8442

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.1926, 70.9839, 79.3198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0162, 71.8694, 83.8442 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(201, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(201, 225, 228)  
}
```

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(201, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 225, 228) }
```

Border

The CSS property to change the border of an element to XYZ 65.0162, 71.8694, 83.8442 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(201, 225, 228) }
```


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

```
.border{ border-color:rgb(201, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 225, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 225, 228);  
box-shadow:4px 4px 4px 4px rgb(201, 225,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0162, 71.8694, 83.8442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 225, 228) }
```

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

```
.background{ background-color: rgb(201,  
225, 228) }
```

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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