

# Converting Colors

XYZ(63.3565, 72.0208, 83.0486)

Have a look what the booklet for  
XYZ(63.3565, 72.0208, 83.0486)  
contains.

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# Color

**XYZ(63.3265, 71.8217,  
83.1984)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1E3E3
RGB	193, 227, 227
RGB Percent	76%, 89%, 89%
CMY	0.2431, 0.1098, 0.1098
CMYK	0.15, 0.00, 0.00, 0.11
HSL	180°, 38%, 82%
HSV	180°, 15%, 89%
XYZ	63.3265, 71.8217, 83.1984
YIQ	216.8340, -20.2640, -7.2080

# Conversions

## Conversions Part 2

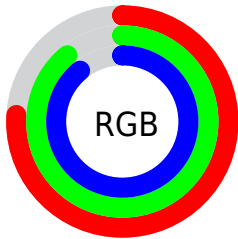
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 210, 227
Decimal	12706787
CIE <sub>Lab</sub>	87.88, -11.07, -3.74
CIE <sub>LCh</sub>	88, 11.681, 198.654
Yxy	71.8217, 0.2900, 0.3289
Android (android.graphics.Color)	4290896867 (0xFFC1E3E3)
YUV	216.8340, 5.0118, -20.9024
Hunter-Lab	84.7477, -14.9269, 1.1173

# Details

The XYZ color **63.3265, 71.8217, 83.1984** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3767, 58.3229, 58.5303**, and the grayscale version is **65.8180, 69.2457, 75.4086**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **32.8464, 37.9726, 44.6280** is the 20% darker color. If you saturate the color by 10%, you get **57.9783, 69.0665, 82.9481**, and if you desaturate by 10%, it is **69.5671, 75.0407, 83.4935**.

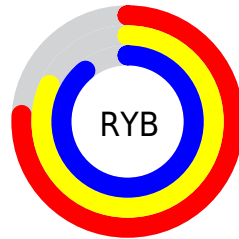
# Distribution



Red (76%)

Green (89%)

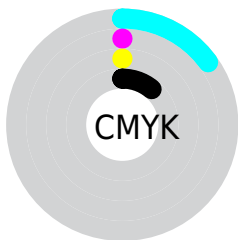
Blue (89%)



Red (76%)

Yellow (82%)

Blue (89%)

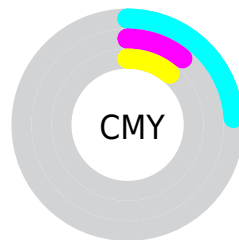


Cyan (15%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (24%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3265, 71.8217, 83.1984 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 63.3265, 71.8217, 83.1984 by changing the saturation by 10% instead.



63.3265, 71.8217,  
83.1984

63.3265, 71.8217,  
83.1984

426.3943,  
466.9208, 525.6358

46.3650, 53.0130,  
61.8123

108.7196,  
121.8030, 139.7050

32.7398, 37.8132,  
44.4462

137.8819,  
153.7444, 175.6626

22.0855, 25.8377,  
30.6817

171.8419,  
190.8322, 217.3144

14.0367, 16.7023,  
20.1002

210.9649,  
233.4508, 265.0790

8.2281, 10.0225,  
12.2831

255.6163,  
281.9846, 319.3749

4.2942, 5.4138,  
6.8119

306.1614,

1.8699, 2.4921,

336.8179, 380.6206

3.2681

362.9657,  
398.3351, 449.2347

■ 0.5593, 0.8727,  
1.2331

■ 0.0000, 0.0000,  
0.0060

■ 63.3265, 71.8217,  
83.1984

■ 63.3265, 71.8217,  
83.1984

■ 57.9783, 69.0665,  
82.9481

■ 69.5671, 75.0407,  
83.4935

■ 53.4758, 66.7455,  
82.7358

■ 76.7317, 78.7342,  
83.8304

■ 49.7778, 64.8391,  
82.5612

■ 82.5767, 81.7473,  
84.1055

■ 46.8368, 63.3230,  
82.4220

■ 82.5770, 81.7474,  
84.1070

■ 44.6004, 62.1701,  
82.3158

■ 82.5773, 81.7476,  
84.1086

■ 43.0099, 61.3502,  
82.2398

■ 82.5776, 81.7477,  
84.1101

■ 41.9966, 60.8279,  
82.1908

■ 82.5778, 81.7478,  
84.1117

■ 41.4767, 60.5599,  
82.1650

■ 82.5781, 81.7479,  
84.1133

■ 41.3332, 60.4860,  
82.1575

■ 82.5784, 81.7480,  
84.1148

# Harmonies

## Analogous

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



63.1590, 71.8217, 75.2299



63.3265, 71.8217, 83.1984



64.7955, 71.8217, 90.2601

# Triad

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



63.3265, 71.8217, 83.1984



72.3543, 71.8217, 88.7512



69.3209, 71.8217, 64.1386

# Complementary

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



63.3265, 71.8217, 83.1984



60.3767, 58.3229, 58.5303

# 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.



71.8549, 71.8217, 67.2680



63.3265, 71.8217, 83.1984



73.6377, 71.8217, 81.2506

# Square

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



63.3265, 71.8217, 83.1984



69.9875, 71.8217, 93.6130



73.4525, 71.8217, 73.4090



66.5698, 71.8217, 64.5819



# Rectangle

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



63.3265, 71.8217, 83.1984



66.3381, 71.8217, 93.3360



73.4525, 71.8217, 73.4090



70.2276, 71.8217, 64.7986

# Sweetspot

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



63.3286, 71.8247, 83.2000



91.3963, 98.1165, 108.7282



59.2338, 70.2035, 60.8819



19.4202, 20.9276, 23.2656



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.



63.3286, 71.8247, 83.2000



80.1321, 92.3096, 108.1982



59.0462, 63.2592, 81.7747



14.8075, 16.3364, 18.5168



24.1046, 35.2739, 47.9123



1.7813, 2.6066, 3.5407



# Inverse Universe

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



60.3767, 58.3229, 58.5303



75.5866, 71.5186, 70.2100



64.2137, 65.9975, 59.8076



14.3771, 14.3680, 14.9203



18.4751, 9.5243, 0.8651

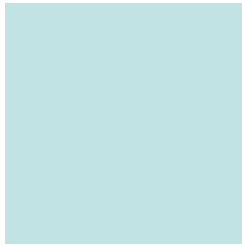


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 63.3265, 71.8217, 83.1984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

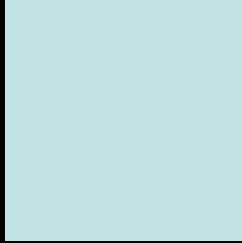
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3265, 71.8217, 83.1984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

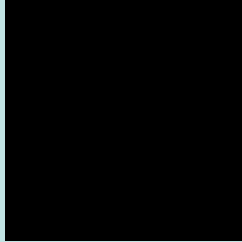
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

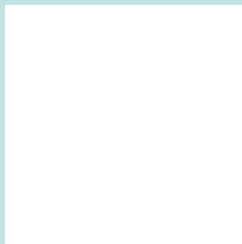
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.3265, 71.8217, 83.1984

## Background



This preview shows how black text looks on a background with the XYZ color 63.3265, 71.8217, 83.1984.



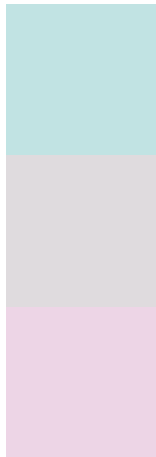
This preview shows how white text looks on a background with the XYZ color 63.3265, 71.8217,



# 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

63.3265, 71.8217, 83.1984

### Protanopia

68.9478, 71.6249, 79.2983

### Deuteranopia

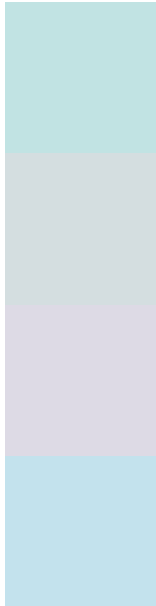
73.0022, 71.3062, 84.7788



## Tritanopia

65.8678, 72.0573, 95.2309

# Trichromacy



## Original Color

63.3265, 71.8217, 83.1984

## Protanomaly

66.7272, 71.6214, 80.8284

## Deuteranomaly

69.0331, 71.1721, 84.2279

## Tritanomaly

64.9881, 72.1092, 90.6140

# Monochromacy



## Original Color

63.3265, 71.8217, 83.1984

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.9200, 70.3433, 78.5626

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3265, 71.8217, 83.1984 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(193, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(193, 227, 227)  
}
```

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(193, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3265, 71.8217, 83.1984 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(193, 227, 227) }
```



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

```
.border{ border-color:rgb(193, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 227, 227); box-shadow:4px 4px 4px 4px rgb(193, 227, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3265, 71.8217, 83.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 227, 227) }
```

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

```
.background{ background-color: rgb(193,  
227, 227) }
```

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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