

Converting Colors

XYZ(51.5179, 57.8584, 65.0940)

Have a look what the booklet for
XYZ(51.5179, 57.8584, 65.0940)
contains.

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Color

**XYZ(51.4332, 57.6777,
64.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CDCB
RGB	180, 205, 203
RGB Percent	71%, 80%, 80%
CMY	0.2941, 0.1961, 0.2039
CMYK	0.12, 0.00, 0.01, 0.20
HSL	175°, 20%, 75%
HSV	175°, 12%, 80%
XYZ	51.4332, 57.6777, 64.9220
YIQ	197.2970, -14.2580, -5.9220

Conversions

Conversions Part 2

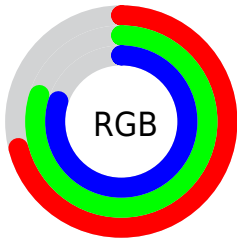
Format	Color
R _Y B	180, 193, 205
Decimal	11849163
CIE Lab	80.56, -8.76, -1.85
CIE LCh	81, 8.950, 191.951
Yxy	57.6777, 0.2955, 0.3314
Android (android.graphics.Color)	4290039243 (0xFFB4CDCB)
YUV	197.2970, 2.8116, -15.1695
Hunter-Lab	75.9458, -12.0187, 2.4783

Details

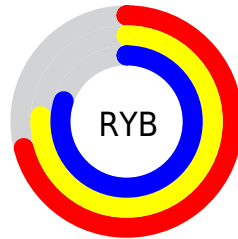
The XYZ color **51.4332, 57.6777, 64.9220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9437, 49.0006, 51.0843**, and the grayscale version is **53.2414, 56.0141, 60.9993**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **25.2438, 28.8152, 32.6652** is the 20% darker color. If you saturate the color by 10%, you get **46.8150, 55.3210, 63.6907**, and if you desaturate by 10%, it is **56.7626, 60.4040, 66.1998**.

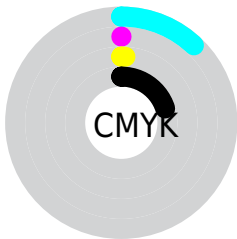
Distribution



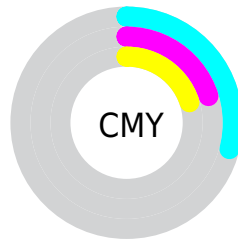
- Red (71%)
- Green (80%)
- Blue (80%)



- Red (71%)
- Yellow (76%)
- Blue (80%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4332, 57.6777, 64.9220 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 51.4332, 57.6777, 64.9220 by changing the saturation by 10% instead.

■ 51.4332, 57.6777,
64.9220

■ 51.4332, 57.6777,
64.9220

382.6045,
415.9839, 460.8102

■ 36.7759, 41.5496,
46.9469

■ 91.4740, 101.4534,
113.5499

■ 25.2069, 28.7488,
32.6396

117.5882,
129.8697, 145.0398

■ 16.3608, 18.8909,
21.5817

148.2521,
163.1509, 181.8717

■ 9.8723, 11.5914,
13.3545

183.8311,
201.6814, 224.4641

■ 5.3760, 6.4661,
7.5395

224.6904,
245.8456, 273.2357

■ 2.5065, 3.1305,
3.7182

271.1956,

■ 0.8985, 1.2003,

296.0278, 328.6048

1.4721

323.7118,
352.6124, 390.9901

■ 0.0000, 0.0619,
0.1970

■ 0.0000, 0.0000,
0.0000

■ 51.4332, 57.6777,
64.9220

■ 51.4332, 57.6777,
64.9220

■ 46.8150, 55.3210,
63.6907

■ 56.7626, 60.4040,
66.1998

■ 42.8723, 53.3107,
62.5007

■ 62.8273, 63.5074,
67.5216

■ 39.5734, 51.6321,
61.3515

■ 69.6563, 67.0047,
68.8901

■ 36.8825, 50.2666,
60.2415

■ 74.6518, 69.5565,
70.1837

■ 34.7600, 49.1940,
59.1688

■ 74.8569, 69.6385,
71.2641

■ 33.1618, 48.3914,
58.1313

■ 75.0642, 69.7215,
72.3556

■ 32.0372, 47.8327,
57.1266

■ 75.2736, 69.8052,
73.4582

■ 31.3254, 47.4866,
56.1518

■ 75.4851, 69.8898,
74.5719

■ 30.9723, 47.3207,
55.4079

■ 75.6987, 69.9753,
75.6968

Harmonies

Analogous

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



51.5266, 57.6777, 59.7150



51.4332, 57.6777, 64.9220



52.2325, 57.6777, 69.8184

Triad

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



51.4332, 57.6777, 64.9220



57.2193, 57.6777, 70.6394



55.9240, 57.6777, 53.6548

Complementary

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



51.4332, 57.6777, 64.9220



49.9437, 49.0006, 51.0843

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.



57.4935, 57.6777, 56.2707



51.4332, 57.6777, 64.9220



58.2528, 57.6777, 65.9920

Square

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



51.4332, 57.6777, 64.9220



55.5565, 57.6777, 73.2407



58.3542, 57.6777, 60.7271



54.0918, 57.6777, 53.4041

Rectangle

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



51.4332, 57.6777, 64.9220



53.1746, 57.6777, 72.1711



58.3542, 57.6777, 60.7271



56.5008, 57.6777, 54.2796

Sweetspot

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



51.4349, 57.6801, 64.9233



91.2652, 98.0640, 108.0376



49.3824, 56.9156, 51.5641



19.3869, 20.9142, 23.0901



0.0000, 0.0000, 0.0000



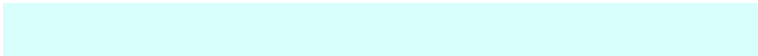
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4349, 57.6801, 64.9233



81.8615, 93.2576, 105.7281



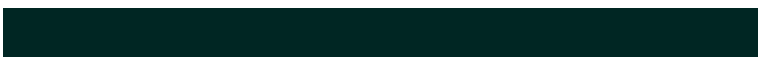
49.2654, 52.9567, 65.3855



11.5030, 12.7109, 14.2061



19.2971, 29.4641, 34.5790



1.0073, 1.5247, 1.8458

Inverse Universe

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



49.9437, 49.0006, 51.0843



78.8821, 75.9144, 78.0766



51.9209, 53.2841, 50.7293



11.2482, 11.2280, 11.8416



15.7480, 8.1098, 1.1256



0.8254, 0.4236, 0.1262

Previews

White Background



This preview shows how the XYZ color 51.4332, 57.6777, 64.9220 looks on a white background.

Color Contrast Check

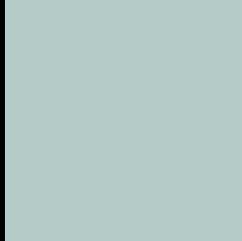
Large Text (above 18pt) WCAG AA × Fail

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 51.4332, 57.6777, 64.9220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

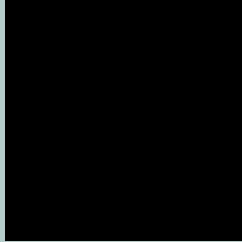
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

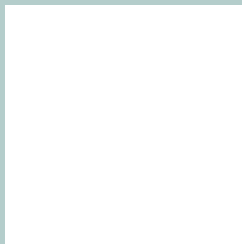
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4332, 57.6777, 64.9220

Background



This preview shows how black text looks on a background with the XYZ color 51.4332, 57.6777, 64.9220.

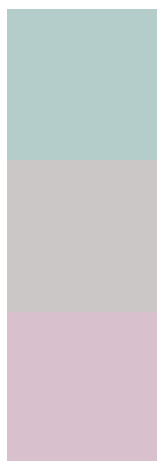


This preview shows how white text looks on a background with the XYZ color 51.4332, 57.6777,

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

51.4332, 57.6777, 64.9220

Protanopia

55.3608, 57.6669, 62.2458

Deuteranopia

58.4083, 57.1466, 65.7096



Tritanopia

53.6706, 57.8936, 75.3637

Trichromacy



Original Color

51.4332, 57.6777, 64.9220

Protanomaly

53.8176, 57.5455, 62.9145

Deuteranomaly

55.4939, 56.9886, 65.2018

Tritanomaly

52.8945, 57.9349, 71.3455

Monochromacy



Original Color

51.4332, 57.6777, 64.9220

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.4489, 56.5084, 62.1757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4332, 57.6777, 64.9220 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(180, 205, 203) looks like.

```
.text, #text, p{  
    color:rgb(180, 205, 203)  
}
```

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(180, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 205, 203) }
```

Border

The CSS property to change the border of an element to XYZ 51.4332, 57.6777, 64.9220 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(180, 205, 203) }
```


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

```
.border{ border-color:rgb(180, 205, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 205, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(180, 205,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4332, 57.6777, 64.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 205, 203) }
```

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

```
.background{ background-color: rgb(180,  
205, 203) }
```

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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