

Converting Colors

XYZ(50.9670, 57.0696, 65.4560)

Have a look what the booklet for
XYZ(50.9670, 57.0696, 65.4560)
contains.

XYZ(51.0824, 57.1291, 65.4614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.0824, 57.1291,
65.4614)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CCCC
RGB	179, 204, 204
RGB Percent	70%, 80%, 80%
CMY	0.2980, 0.2000, 0.2000
CMYK	0.12, 0.00, 0.00, 0.20
HSL	180°, 20%, 75%
HSV	180°, 12%, 80%
XYZ	51.0824, 57.1291, 65.4614
YIQ	196.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

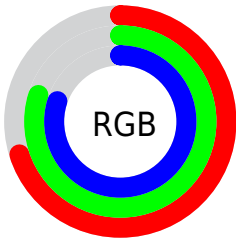
Format	Color
R_{YB}	179, 192, 204
Decimal	11783372
CIE _{Lab}	80.25, -8.36, -2.85
CIE _{LCh}	80, 8.833, 198.809
Yxy	57.1291, 0.2941, 0.3289
Android (android.graphics.Color)	4289973452 (0xFFB3CCCC)
YUV	196.5250, 3.6852, -15.3694
Hunter-Lab	75.5838, -11.6346, 1.5589

Details

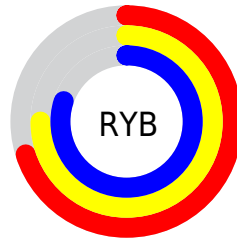
The XYZ color **51.0824, 57.1291, 65.4614** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1608, 48.3339, 49.3888**, and the grayscale version is **52.7710, 55.5192, 60.4604**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **25.0156, 28.4503, 33.0272** is the 20% darker color. If you saturate the color by 10%, you get **46.7121, 54.8777, 65.2565**, and if you desaturate by 10%, it is **56.1536, 59.7449, 65.7015**.

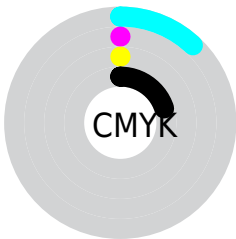
Distribution



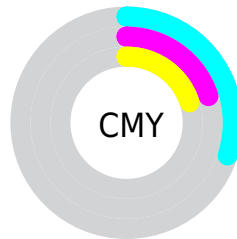
- Red (70%)
- Green (80%)
- Blue (80%)



- Red (70%)
- Yellow (75%)
- Blue (80%)



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



- Cyan (30%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0824, 57.1291, 65.4614 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 51.0824, 57.1291, 65.4614 by changing the saturation by 10% instead.

■ 51.0824, 57.1291,
65.4614

■ 51.0824, 57.1291,
65.4614

381.2662,
413.9329, 462.7997

■ 36.4955, 41.1089,
47.3816

■ 90.9588, 100.6535,
114.3326

■ 24.9890, 28.4042,
32.9809

116.9791,
128.9266, 145.9610

■ 16.1975, 18.6306,
21.8408

147.5411,
162.0527, 182.9427

■ 9.7558, 11.4036,
13.5428

183.0104,
200.4162, 225.6963

■ 5.2984, 6.3390,
7.6683

223.7521,
244.4016, 274.6402

■ 2.4599, 3.0523,
3.7987

270.1318,

■ 0.8751, 1.1591,

294.3933, 330.1931

1.5156

322.5147,
350.7756, 392.7734

■ 0.0000, 0.0279,
0.2295

■ 0.0000, 0.0000,
0.0000

■ 51.0824, 57.1291,
65.4614

■ 51.0824, 57.1291,
65.4614

■ 46.7121, 54.8777,
65.2565

■ 56.1536, 59.7449,
65.7015

■ 43.0071, 52.9677,
65.0816

■ 61.9493, 62.7327,
65.9743

■ 39.9364, 51.3848,
64.9363

■ 68.4983, 66.1088,
66.2823

■ 37.4645, 50.1105,
64.8191

■ 73.7344, 68.8080,
66.5289

■ 35.5522, 49.1247,
64.7280

■ 73.7347, 68.8081,
66.5305

■ 34.1560, 48.4049,
64.6611

■ 73.7350, 68.8083,
66.5321

■ 33.2256, 47.9254,
64.6160

■ 73.7353, 68.8084,
66.5336

■ 32.7010, 47.6550,
64.5899

■ 73.7356, 68.8085,
66.5352

■ 32.4906, 47.5465,
64.5789

■ 73.7358, 68.8086,
66.5368

Harmonies

Analogous

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



50.9680, 57.1291, 60.2961



51.0824, 57.1291, 65.4614



52.0474, 57.1291, 69.9813

Triad

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



51.0824, 57.1291, 65.4614



56.9513, 57.1291, 68.9768



54.9754, 57.1291, 52.9605

Complementary

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



51.0824, 57.1291, 65.4614



49.1608, 48.3339, 49.3888

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.



56.6156, 57.1291, 55.0251



51.0824, 57.1291, 65.4614



57.7731, 57.1291, 64.1515

Square

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



51.0824, 57.1291, 65.4614



55.4253, 57.1291, 72.0872



57.6489, 57.1291, 59.0563



53.1890, 57.1291, 53.2679

Rectangle

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



51.0824, 57.1291, 65.4614



53.0555, 57.1291, 71.9315



57.6489, 57.1291, 59.0563



55.5628, 57.1291, 53.3953

Sweetspot

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



51.0840, 57.1315, 65.4627



91.3962, 98.1164, 108.7280



48.4182, 56.0763, 50.9208



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.



51.0840, 57.1315, 65.4627



82.3503, 93.4531, 108.3017



48.3226, 51.6079, 64.5440



11.5433, 12.7271, 14.4182



20.4490, 29.9249, 40.6449



1.0550, 1.5438, 2.0969

Inverse Universe

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



49.1608, 48.3339, 49.3888



78.4809, 75.7539, 75.9640



51.6896, 53.3921, 50.2303



11.2124, 11.2137, 11.6532



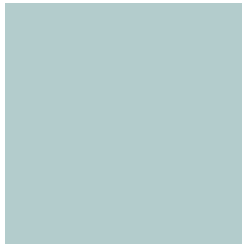
15.6736, 8.0800, 0.7341



0.8086, 0.4168, 0.0380

Previews

White Background



This preview shows how the XYZ color 51.0824, 57.1291, 65.4614 looks on a white background.

Color Contrast Check

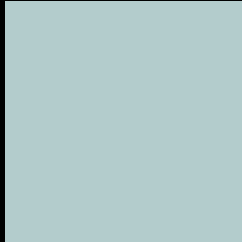
Large Text (above 18pt) WCAG AA × Fail

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 51.0824, 57.1291, 65.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

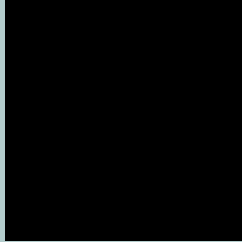
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0824, 57.1291, 65.4614

Background



This preview shows how black text looks on a background with the XYZ color 51.0824, 57.1291, 65.4614.



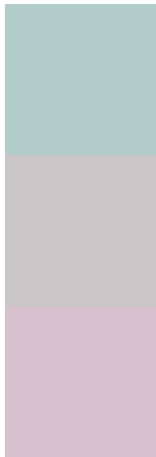
This preview shows how white text looks on a background with the XYZ color 51.0824, 57.1291,

65.4614.

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

51.0824, 57.1291, 65.4614

Protanopia

54.9765, 57.1149, 62.7703

Deuteranopia

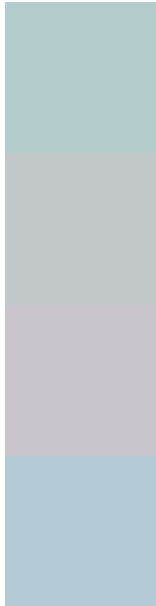
58.2349, 57.0432, 66.3337



Tritanopia

52.8315, 57.1268, 74.5717

Trichromacy



Original Color

51.0824, 57.1291, 65.4614

Protanomaly

53.4450, 56.9949, 63.4426

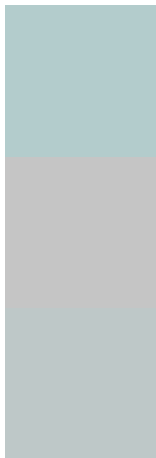
Deuteranomaly

55.3428, 56.8968, 65.8229

Tritanomaly

52.1886, 57.2193, 71.2446

Monochromacy



Original Color

51.0824, 57.1291, 65.4614

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.3148, 56.4258, 62.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0824, 57.1291, 65.4614 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(179, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(179, 204, 204)  
}
```

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(179, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.0824, 57.1291, 65.4614 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(179, 204, 204) }
```


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

```
.border{ border-color:rgb(179, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(179, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0824, 57.1291, 65.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 204, 204) }
```

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

```
.background{ background-color: rgb(179,  
204, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor