

Converting Colors

XYZ(40.0207, 57.1127, 64.5894)

Have a look what the booklet for
XYZ(40.0207, 57.1127, 64.5894)
contains.

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Color

**XYZ(40.0167, 57.0020,
64.7705)**

Conversions

Conversions Part 1

Format	Color
Hex	58DBCA
RGB	88, 219, 202
RGB Percent	35%, 86%, 79%
CMY	0.6549, 0.1412, 0.2078
CMYK	0.60, 0.00, 0.08, 0.14
HSL	172°, 65%, 60%
HSV	172°, 60%, 86%
XYZ	40.0167, 57.0020, 64.7705
YIQ	177.8930, -72.6190, -33.0590

Conversions

Conversions Part 2

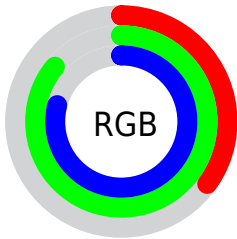
Format	Color
RYB	88, 158, 219
Decimal	5823434
CIELab	80.18, -39.83, -2.37
CIElCh	80, 39.896, 183.413
Yxy	57.0020, 0.2473, 0.3523
Android (android.graphics.Color)	4284013514 (0xFF58DBCA)
YUV	177.8930, 11.8848, -78.8362
Hunter-Lab	75.4997, -37.5150, 1.9854

Details

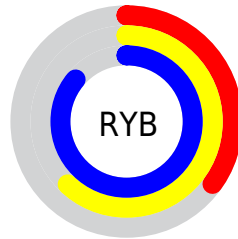
The XYZ color **40.0167, 57.0020, 64.7705** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.2549, 23.0611, 15.9598**, and the grayscale version is **42.2286, 44.4278, 48.3819**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **18.4425, 28.3325, 32.5137** is the 20% darker color. If you saturate the color by 10%, you get **37.9136, 55.9577, 62.9325**, and if you desaturate by 10%, it is **42.7518, 58.3741, 66.6730**.

Distribution



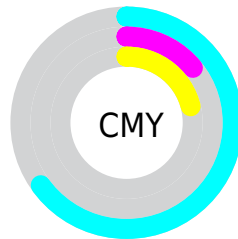
- Red (35%)
- Green (86%)
- Blue (79%)



- Red (35%)
- Yellow (62%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0167, 57.0020, 64.7705 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 40.0167, 57.0020, 64.7705 by changing the saturation by 10% instead.


 40.0167, 57.0020,
64.7705


 40.0167, 57.0020,
64.7705


337.3272,
413.4568, 460.2504


 27.7358, 41.0068,
46.8248


 74.4731, 100.4681,
113.3300


 18.2661, 28.3244,
32.5439

 97.3794, 128.7078,
144.7808

 11.2420, 18.5704,
21.5090


 124.5582,
161.7979, 181.5706

 6.2984, 11.3603,
13.3017

 156.3748,
200.1227, 224.1176

 3.0697, 6.3097,
7.5035

193.1947,
244.0666, 272.8406

 1.1907, 3.0343,
3.6957

235.3831,

 0.0990, 1.1497,

294.0139, 328.1580

1.4599

283.3055,
350.3492, 390.4885

■ 0.0000, 0.0200,
0.1878

■ 0.0000, 0.0000,
0.0000

■ 40.0167, 57.0020,
64.7705

■ 40.0167, 57.0020,
64.7705

■ 37.9136, 55.9577,
62.9325

■ 42.7518, 58.3741,
66.6730

■ 36.3799, 55.2049,
61.1520


■ 46.1645, 60.0935,
68.6385


■ 35.3487, 54.7104,
59.4271


■ 50.3020, 62.1857,
70.6706


■ 34.7010, 54.4129,
57.7520


■ 55.2057, 64.6722,
72.7714


 34.6902, 54.4080,
57.7214

 60.9139, 67.5728,
74.9430

 67.4623, 70.9057,
77.1870

 74.8846, 74.6884,
79.5053

 80.1277, 77.3470,
81.7552

 80.5182, 77.5032,
83.8116

Harmonies

Analogous

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



41.3603, 57.0020, 44.0977



40.0167, 57.0020, 64.7705



42.1430, 57.0020, 90.1458

Triad

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



40.0167, 57.0020, 64.7705



63.2565, 57.0020, 107.4703



61.4851, 57.0020, 30.0066

Complementary

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



40.0167, 57.0020, 64.7705



35.2549, 23.0611, 15.9598

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.



68.3121, 57.0020, 40.5214



40.0167, 57.0020, 64.7705



69.4046, 57.0020, 84.3510

Square

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



40.0167, 57.0020, 64.7705



55.1151, 57.0020, 118.3815



71.3406, 57.0020, 59.4369



53.2529, 57.0020, 27.2280

Rectangle

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



40.0167, 57.0020, 64.7705



45.3801, 57.0020, 105.4308



71.3406, 57.0020, 59.4369



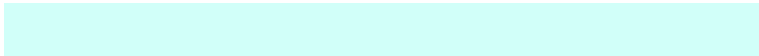
64.0468, 57.0020, 32.5973

Sweetspot

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



40.0184, 57.0042, 64.7718



79.1884, 91.9321, 103.2285



32.9754, 54.4015, 17.9963



16.4782, 19.4380, 21.9056



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.



40.0184, 57.0042, 64.7718



52.8359, 78.6540, 88.1249



31.3691, 36.3045, 72.3744



13.3683, 14.7990, 16.4026



20.5978, 32.2717, 34.3768



1.3551, 2.0990, 2.3361

Inverse Universe

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



35.2549, 23.0611, 15.9598



45.5948, 26.6479, 13.6216



39.7857, 33.3844, 13.5807



13.1245, 13.0789, 13.9168



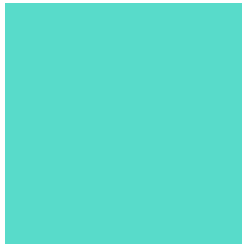
17.4719, 8.9898, 1.5992



1.1549, 0.5916, 0.2244

Previews

White Background



This preview shows how the XYZ color 40.0167, 57.0020, 64.7705 looks on a white background.

Color Contrast Check

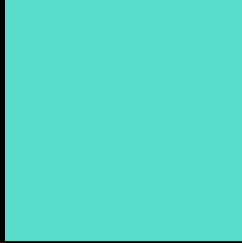
Large Text (above 18pt) WCAG AA × Fail

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 40.0167, 57.0020, 64.7705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

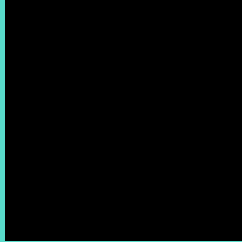
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

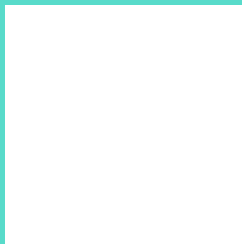
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0167, 57.0020, 64.7705

Background



This preview shows how black text looks on a background with the XYZ color 40.0167, 57.0020, 64.7705.

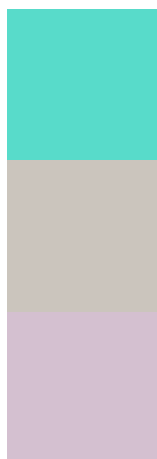


This preview shows how white text looks on a background with the XYZ color 40.0167, 57.0020,

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

40.0167, 57.0020, 64.7705

Protanopia

53.7802, 56.3031, 56.1772

Deuteranopia

57.3862, 56.2504, 67.5073



Tritanopia

44.1215, 57.1364, 85.0469

Trichromacy



Original Color

40.0167, 57.0020, 64.7705



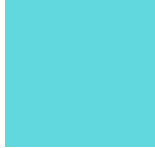
Protanomaly

46.2669, 55.1348, 59.2425



Deuteranomaly

48.1975, 54.9128, 66.4515



Tritanomaly

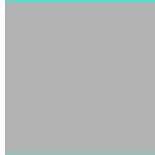
42.4309, 56.8190, 77.1374

Monochromacy



Original Color

40.0167, 57.0020, 64.7705



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.7167, 47.7475, 54.1366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0167, 57.0020, 64.7705 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(88, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(88, 219, 202)  
}
```

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(88, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 219, 202) }
```

Border

The CSS property to change the border of an element to XYZ 40.0167, 57.0020, 64.7705 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(88, 219, 202) }
```


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

```
.border{ border-color:rgb(88, 219, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 219, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(88, 219,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0167, 57.0020, 64.7705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 219, 202) }
```

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

```
.background{ background-color: rgb(88, 219,  
202) }
```

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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