

Converting Colors

XYZ(40.0129, 52.8665, 67.0663)

Have a look what the booklet for
XYZ(40.0129, 52.8665, 67.0663)
contains.

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Color

**XYZ(40.0027, 52.8049,
67.1155)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD0CF
RGB	108, 208, 207
RGB Percent	42%, 82%, 81%
CMY	0.5765, 0.1843, 0.1882
CMYK	0.48, 0.00, 0.00, 0.18
HSL	179°, 52%, 62%
HSV	179°, 48%, 82%
XYZ	40.0027, 52.8049, 67.1155
YIQ	177.9860, -59.2790, -21.5110

Conversions

Conversions Part 2

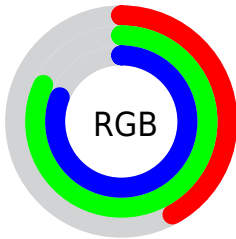
Format	Color
RYB	108, 158, 208
Decimal	7131343
CIELab	77.76, -29.43, -8.56
CIELCh	78, 30.652, 196.207
Yxy	52.8049, 0.2501, 0.3302
Android (android.graphics.Color)	4285321423 (0xFF6CD0CF)
YUV	177.9860, 14.3039, -61.3777
Hunter-Lab	72.6670, -28.9041, -3.8936

Details

The XYZ color **40.0027, 52.8049, 67.1155** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1371, 25.2407, 17.5425**, and the grayscale version is **42.2601, 44.4609, 48.4179**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **18.2677, 25.6632, 34.1277** is the 20% darker color. If you saturate the color by 10%, you get **37.7435, 51.6444, 66.8780**, and if you desaturate by 10%, it is **42.8685, 54.2806, 67.3839**.

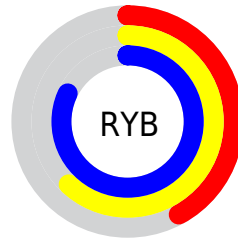
Distribution



Red (42%)

Green (82%)

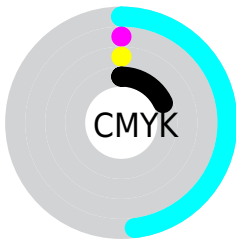
Blue (81%)



Red (42%)

Yellow (62%)

Blue (82%)

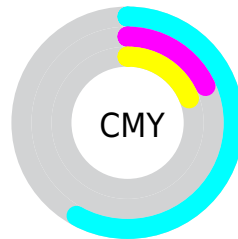


Cyan (48%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (58%)

Magenta (18%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0027, 52.8049, 67.1155 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 40.0027, 52.8049, 67.1155 by changing the saturation by 10% instead.

40.0027, 52.8049,
67.1155

40.0027, 52.8049,
67.1155

337.2692,
397.5362, 468.8685

27.7249, 37.6470,
48.7163

74.4519, 94.3172,
116.7281

18.2578, 25.7089,
34.0305

97.3541, 121.4405,
148.7786

11.2360, 16.6060,
22.6395

124.5283,
153.3210, 186.2166

6.2943, 9.9540,
14.1247

156.3401,
190.3431, 229.4607

3.0672, 5.3684,
8.0677

193.1547,
232.8913, 278.9294

1.1894, 2.4650,
4.0499

235.3375,

0.0980, 0.8590,

281.3500, 335.0412

1.6528

283.2539,
336.1035, 398.2147

■ 0.0000, 0.0000,
0.3281

■ 0.0000, 0.0000,
0.0000

■ 40.0027, 52.8049,
67.1155

■ 40.0027, 52.8049,
67.1155

■ 37.7435, 51.6444,
66.8780

■ 42.8685, 54.2806,
67.3839

■ 36.0425, 50.7705,
66.6656


■ 46.3756, 56.0856,
67.6813


■ 34.8520, 50.1597,
66.4773


■ 50.5614, 58.2405,
68.0107


■ 34.1138, 49.7820,
66.3103


■ 55.4593, 60.7625,
68.3736


 33.7425, 49.5935,
66.1607


 61.1004, 63.6676,
68.7714

 33.6875, 49.5658,
66.1327

 67.5141, 66.9710,
69.2056

 74.7280, 70.6870,
69.6773

 75.2644, 70.9605,
69.8368

 75.2902, 70.9708,
69.9725

Harmonies

Analogous

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



39.8958, 52.8049, 50.0451



40.0027, 52.8049, 67.1155



42.6938, 52.8049, 84.4826

Triad

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



40.0027, 52.8049, 67.1155



58.8924, 52.8049, 83.2298



52.9617, 52.8049, 31.2229

Complementary

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



40.0027, 52.8049, 67.1155



34.1371, 25.2407, 17.5425

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.



58.5148, 52.8049, 36.9711



40.0027, 52.8049, 67.1155



62.1170, 52.8049, 65.6510

Square

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



40.0027, 52.8049, 67.1155



53.4448, 52.8049, 94.9669



61.9736, 52.8049, 48.8418



47.0691, 52.8049, 31.4609

Rectangle

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



40.0027, 52.8049, 67.1155



45.7218, 52.8049, 92.9138



61.9736, 52.8049, 48.8418



54.9391, 52.8049, 32.4614

Sweetspot

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



40.0043, 52.8069, 67.1167



83.0562, 93.8236, 108.0383



31.6533, 49.4902, 22.0728



17.4264, 19.9014, 23.0983



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.



40.0043, 52.8069, 67.1167



59.6477, 81.7769, 106.0025



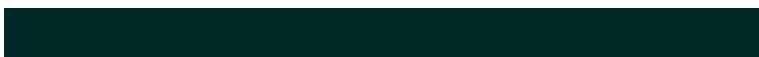
30.0842, 32.7702, 64.4164



12.1531, 13.4050, 15.1625



20.9975, 30.8919, 41.2282



1.1757, 1.7280, 2.3141

Inverse Universe

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



34.1371, 25.2407, 17.5425



49.2460, 32.8914, 18.1034



40.6656, 38.3835, 19.4540



11.8135, 11.8101, 12.2937



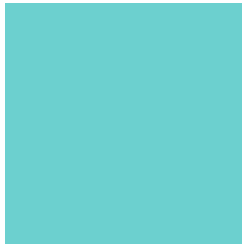
16.2216, 8.3615, 0.8074



0.9087, 0.4682, 0.0542

Previews

White Background



This preview shows how the XYZ color 40.0027, 52.8049, 67.1155 looks on a white background.

Color Contrast Check

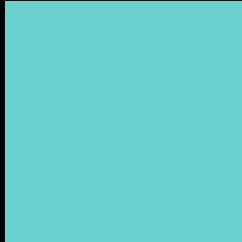
Large Text (above 18pt) WCAG AA × Fail

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 40.0027, 52.8049, 67.1155 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

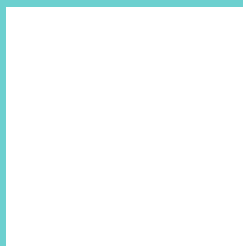
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0027, 52.8049, 67.1155

Background



This preview shows how black text looks on a background with the XYZ color 40.0027, 52.8049, 67.1155.

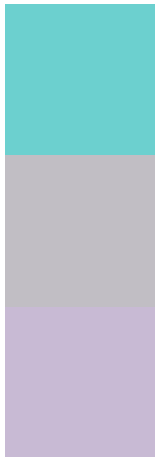


This preview shows how white text looks on a background with the XYZ color 40.0027, 52.8049,

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

40.0027, 52.8049, 67.1155

Protanopia

50.3696, 52.1499, 59.6357

Deuteranopia

53.2620, 52.1506, 69.5462



Tritanopia

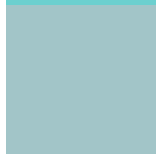
42.0662, 52.9273, 77.1061

Trichromacy



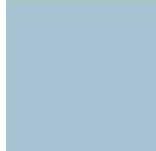
Original Color

40.0027, 52.8049, 67.1155



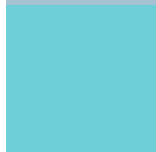
Protanomaly

45.2919, 51.7840, 62.2518



Deuteranomaly

46.8610, 51.4522, 68.4342



Tritanomaly

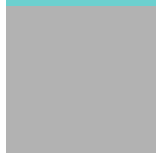
41.3928, 53.0149, 73.6969

Monochromacy



Original Color

40.0027, 52.8049, 67.1155



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.5198, 46.8416, 55.0498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0027, 52.8049, 67.1155 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(108, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(108, 208, 207)  
}
```

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(108, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 208, 207) }
```

Border

The CSS property to change the border of an element to XYZ 40.0027, 52.8049, 67.1155 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(108, 208, 207) }
```


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

```
.border{ border-color:rgb(108, 208, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 208, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 208, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 208, 207);  
box-shadow:4px 4px 4px 4px rgb(108, 208,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0027, 52.8049, 67.1155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 208, 207) }
```

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

```
.background{ background-color: rgb(108,  
208, 207) }
```

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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