

Converting Colors

XYZ(40.5242, 57.2934, 67.7224)

Have a look what the booklet for
XYZ(40.5242, 57.2934, 67.7224)
contains.

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Color

**XYZ(40.5245, 57.1943,
67.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	57DBC F
RGB	87, 219, 207
RGB Percent	34%, 86%, 81%
CMY	0.6588, 0.1412, 0.1882
CMYK	0.60, 0.00, 0.05, 0.14
HSL	175°, 65%, 60%
HSV	175°, 60%, 86%
XYZ	40.5245, 57.1943, 67.9352
YIQ	178.1640, -74.8200, -31.7160

Conversions

Conversions Part 2

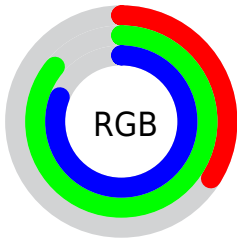
Format	Color
R _Y B	87, 156, 219
Decimal	5757903
CIE Lab	80.29, -38.71, -4.88
CIE LCh	80, 39.020, 187.191
Yxy	57.1943, 0.2446, 0.3453
Android (android.graphics.Color)	4283947983 (0xFF57DBCF)
YUV	178.1640, 14.2161, -79.9508
Hunter-Lab	75.6269, -36.6983, -0.3210

Details

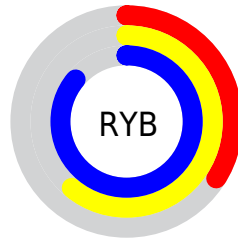
The XYZ color **40.5245, 57.1943, 67.9352** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.8757, 22.7790, 14.3651**, and the grayscale version is **42.3609, 44.5669, 48.5334**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **18.8470, 28.4943, 34.6436** is the 20% darker color. If you saturate the color by 10%, you get **38.5401, 56.2006, 66.5806**, and if you desaturate by 10%, it is **43.1354, 58.5133, 69.3377**.

Distribution



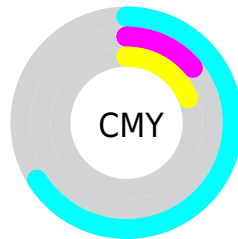
- Red (34%)
- Green (86%)
- Blue (81%)



- Red (34%)
- Yellow (61%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (66%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5245, 57.1943, 67.9352 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 40.5245, 57.1943, 67.9352 by changing the saturation by 10% instead.

 40.5245, 57.1943,
67.9352


 40.5245, 57.1943,
67.9352


339.4260,
414.1770, 471.8582


 28.1338, 41.1613,
49.3787


 75.2408, 100.7486,
117.9128


 18.5675, 28.4451,
34.5522


 98.2971, 129.0387,
150.1709

 11.4603, 18.6615,
23.0374


 125.6393,
162.1833, 187.8333

 6.4469, 11.4259,
14.4155

 157.6327,
200.5667, 231.3185

 3.1619, 6.3541,
8.2682

194.6427,
244.5734, 281.0450

 1.2400, 3.0616,
4.1768

237.0347,

 0.1376, 1.1640,

294.5877, 337.4315

1.7228

285.1740,
350.9941, 400.8964

■ 0.0000, 0.0320,
0.3763

■ 0.0000, 0.0000,
0.0000

■ 40.5245, 57.1943,
67.9352

■ 40.5245, 57.1943,
67.9352

■ 38.5401, 56.2006,
66.5806

■ 43.1354, 58.5133,
69.3377

■ 37.1191, 55.4956,
65.2671


■ 46.4185, 60.1771,
70.7865


■ 36.1941, 55.0460,
63.9927


■ 50.4212, 62.2116,
72.2850


■ 35.6518, 54.7926,
62.7849


■ 55.1852, 64.6381,
73.8355

 60.7487, 67.4765,
75.4396

 67.1477, 70.7452,
77.0991

 74.4157, 74.4615,
78.8156

 79.8826, 77.2490,
80.4643

 80.1526, 77.3570,
81.8863

Harmonies

Analogous

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



41.4175, 57.1943, 46.7566



40.5245, 57.1943, 67.9352



43.0393, 57.1943, 92.7678

Triad

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



40.5245, 57.1943, 67.9352



64.1663, 57.1943, 104.2132



60.5243, 57.1943, 29.9341

Complementary

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



40.5245, 57.1943, 67.9352



34.8757, 22.7790, 14.3651

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.



67.5131, 57.1943, 39.3242



40.5245, 57.1943, 67.9352



69.7551, 57.1943, 80.8950

Square

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



40.5245, 57.1943, 67.9352



56.3035, 57.1943, 116.7887



71.0362, 57.1943, 56.9380



52.4646, 57.1943, 28.0789

Rectangle

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



40.5245, 57.1943, 67.9352



46.4699, 57.1943, 106.9519



71.0362, 57.1943, 56.9380



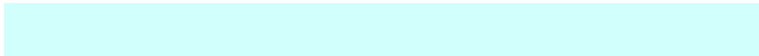
63.0994, 57.1943, 32.1791

Sweetspot

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



40.5262, 57.1965, 67.9365



79.4680, 92.0440, 104.7013



32.3313, 54.0742, 17.7515



16.5475, 19.4657, 22.2702



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.



40.5262, 57.1965, 67.9365



53.8656, 79.0658, 93.5470



30.3911, 34.4881, 72.0754



13.3911, 14.8081, 16.5227



21.1604, 32.4968, 37.3398



1.3861, 2.1114, 2.4994

Inverse Universe

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



34.8757, 22.7790, 14.3651



45.2841, 26.5237, 11.9858



40.2847, 34.4481, 13.5440



13.1039, 13.0707, 13.8083



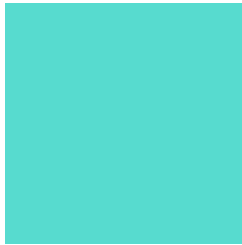
17.4140, 8.9666, 1.2940



1.1451, 0.5877, 0.1729

Previews

White Background



This preview shows how the XYZ color 40.5245, 57.1943, 67.9352 looks on a white background.

Color Contrast Check

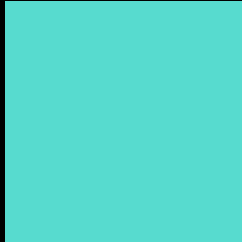
Large Text (above 18pt) WCAG AA × Fail

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 40.5245, 57.1943, 67.9352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

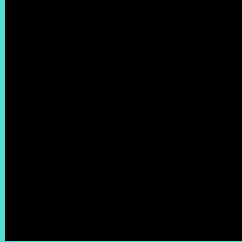
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

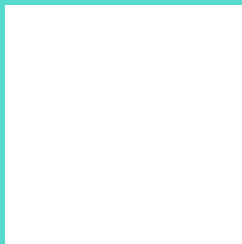
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5245, 57.1943, 67.9352

Background



This preview shows how black text looks on a background with the XYZ color 40.5245, 57.1943, 67.9352.

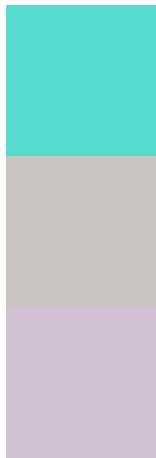


This preview shows how white text looks on a background with the XYZ color 40.5245, 57.1943,

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

40.5245, 57.1943, 67.9352

Protanopia

54.0610, 56.3841, 59.0728

Deuteranopia

57.4382, 56.2050, 70.7721



Tritanopia

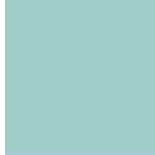
44.0454, 57.0807, 85.7870

Trichromacy



Original Color

40.5245, 57.1943, 67.9352



Protanomaly

46.6373, 55.2597, 62.2410



Deuteranomaly

48.3955, 54.9435, 69.6825



Tritanomaly

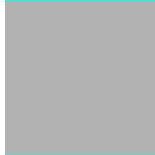
42.6265, 56.8732, 79.2520

Monochromacy



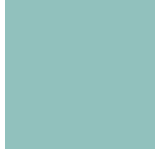
Original Color

40.5245, 57.1943, 67.9352



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.9323, 47.8338, 55.2723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5245, 57.1943, 67.9352 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(87, 219, 207)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 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(87, 219, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 207) }
```

Border

The CSS property to change the border of an element to XYZ 40.5245, 57.1943, 67.9352 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(87, 219, 207) }
```


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

```
.border{ border-color:rgb(87, 219, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 219, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 207);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5245, 57.1943, 67.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 207) }
```

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

```
.background{ background-color: rgb(87, 219,  
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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