

Converting Colors

XYZ(40.2040, 57.7067, 42.6495)

Have a look what the booklet for
XYZ(40.2040, 57.7067, 42.6495)
contains.

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Color

**XYZ(40.0767, 57.5213,
42.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	7CDBA1
RGB	124, 219, 161
RGB Percent	49%, 86%, 63%
CMY	0.5137, 0.1412, 0.3686
CMYK	0.43, 0.00, 0.26, 0.14
HSL	143°, 57%, 67%
HSV	143°, 43%, 86%
XYZ	40.0767, 57.5213, 42.7087
YIQ	183.9830, -38.0020, -38.1780

Conversions

Conversions Part 2

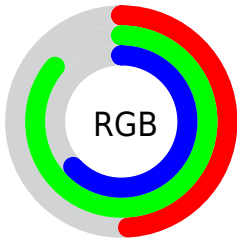
Format	Color
RYB	124, 192, 219
Decimal	8182689
CIELab	80.47, -40.89, 19.93
CIELCh	80, 45.491, 154.019
Yxy	57.5213, 0.2856, 0.4100
Android (android.graphics.Color)	4286372769 (0xFF7CDBA1)
YUV	183.9830, -11.3306, -52.6051
Hunter-Lab	75.8428, -38.4023, 19.7025

Details

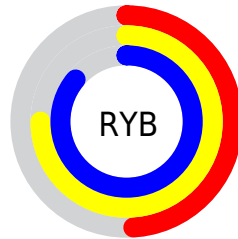
The XYZ color **40.0767, 57.5213, 42.7087** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.8664, 32.8540, 48.2348**, and the grayscale version is **45.6274, 48.0036, 52.2759**.

A 20% lighter version of the original color is **66.9771, 86.1812, 78.0703**, and **18.2414, 28.5275, 19.0129** is the 20% darker color. If you saturate the color by 10%, you get **36.1397, 55.6223, 36.6956**, and if you desaturate by 10%, it is **44.8457, 59.8378, 49.4215**.

Distribution



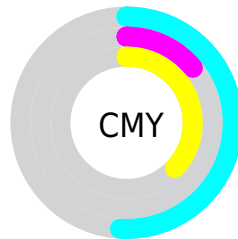
- Red (49%)
- Green (86%)
- Blue (63%)



- Red (49%)
- Yellow (75%)
- Blue (86%)



- Cyan (43%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)





- Cyan (51%)
- Magenta (14%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0767, 57.5213, 42.7087 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 40.0767, 57.5213, 42.7087 by changing the saturation by 10% instead.


 40.0767, 57.5213,
42.7087


 40.0767, 57.5213,
42.7087


337.5756,
415.3998, 373.2984


 27.7828, 41.4239,
29.3269


 74.5639, 101.2254,
80.5527

 18.3016, 28.6505,
19.0806

 97.4879, 129.6010,
105.8521

 11.2678, 18.8166,
11.5511


 124.6861,
162.8380, 135.9610

 6.3158, 11.5378,
6.3200

156.5236,
201.3210, 171.2980

 3.0805, 6.4298,
2.9687

193.3660,
245.4343, 212.2817

 1.1965, 3.1081,
1.0787

235.5786,

 0.1036, 1.1885,

295.5622, 259.3307

0.0000

283.5267,
352.0893, 312.8634

■ 0.0000, 0.0522,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0767, 57.5213,
42.7087

■ 40.0767, 57.5213,
42.7087

■ 36.1397, 55.6223,
36.6956

■ 44.8457, 59.8378,
49.4215

■ 32.9791, 54.1079,
31.3552


■ 50.4885, 62.5881,
56.8520


■ 30.5394, 52.9515,
26.6647


■ 57.0498, 65.7966,
65.0223


■ 28.7554, 52.1200,
22.5979


■ 64.5695, 69.4832,
73.9525


 27.5485, 51.5734,
19.1271

 73.0853, 73.6672,
83.6617

 26.9840, 51.3257,
17.1405

 82.4838, 78.2896,
94.1615

 84.5580, 79.1193,
105.0841

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



45.2355, 57.5213, 28.9637



40.0767, 57.5213, 42.7087



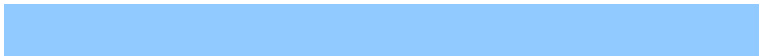
38.6555, 57.5213, 66.3020

Triad

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



40.0767, 57.5213, 42.7087



55.9395, 57.5213, 129.1496



70.9338, 57.5213, 38.0558

Complementary

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



40.0767, 57.5213, 42.7087



44.8664, 32.8540, 48.2348

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.



74.5957, 57.5213, 59.0979



40.0767, 57.5213, 42.7087



65.3378, 57.5213, 115.6087

Square

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



40.0767, 57.5213, 42.7087



47.1825, 57.5213, 121.1135



72.4403, 57.5213, 87.9474



62.9154, 57.5213, 26.8628

Rectangle

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



40.0767, 57.5213, 42.7087



39.8660, 57.5213, 85.9628



72.4403, 57.5213, 87.9474



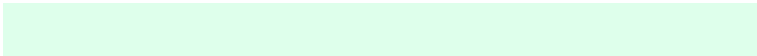
72.7540, 57.5213, 43.9562

Sweetspot

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



40.0782, 57.5237, 42.7100



80.7991, 93.0103, 92.1104



48.4010, 62.1371, 28.5120



16.8267, 19.6791, 19.1449



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.



40.0782, 57.5237, 42.7100



51.4870, 78.7445, 52.5521



45.0204, 59.5005, 68.7352



13.0954, 14.6898, 14.9655



16.0496, 30.4525, 10.4265



1.0813, 1.9895, 0.8940

Inverse Universe

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



44.8664, 32.8540, 48.2348



59.0708, 39.6063, 61.2544



40.8017, 31.2281, 26.8304



13.3884, 13.1844, 15.3063



19.9167, 9.9677, 14.4735



1.3321, 0.6625, 1.1577

Previews

White Background



This preview shows how the XYZ color 40.0767, 57.5213, 42.7087 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 40.0767, 57.5213, 42.7087 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 40.0767, 57.5213, 42.7087

Background



This preview shows how black text looks on a background with the XYZ color 40.0767, 57.5213, 42.7087.

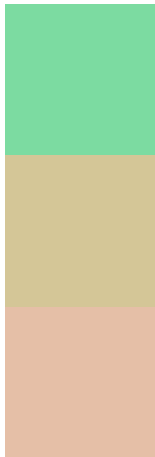


This preview shows how white text looks on a background with the XYZ color 40.0767, 57.5213,

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
40.0767, 57.5213, 42.7087
Protanopia
52.9314, 56.6196, 37.4170
Deuteranopia
57.9190, 56.7096, 44.4526



Tritanopia

47.7269, 57.2147, 81.2011

Trichromacy



Original Color

40.0767, 57.5213, 42.7087



Protanomaly

46.8101, 56.2125, 39.3933



Deuteranomaly

49.1640, 55.5663, 43.7315



Tritanomaly

44.4053, 56.9686, 65.1556

Monochromacy



Original Color

40.0767, 57.5213, 42.7087



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.7030, 50.7485, 48.6190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0767, 57.5213, 42.7087 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(124, 219, 161)` looks like.

```
.text, #text, p{  
    color:rgb(124, 219, 161)  
}
```

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(124, 219, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 219, 161) }
```

Border

The CSS property to change the border of an element to XYZ 40.0767, 57.5213, 42.7087 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(124, 219, 161) }
```


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

```
.border{ border-color:rgb(124, 219, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 219, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 219, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 219, 161); box-shadow:4px 4px 4px 4px rgb(124, 219, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0767, 57.5213, 42.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 219, 161) }
```

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

```
.background{ background-color: rgb(124,  
219, 161) }
```

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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