

Converting Colors

XYZ(42.4414, 56.6042, 57.6225)

Have a look what the booklet for
XYZ(42.4414, 56.6042, 57.6225)
contains.

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Color

**XYZ(42.3941, 56.4780,
57.3821)**

Conversions

Conversions Part 1

Format	Color
Hex	81D6BE
RGB	129, 214, 190
RGB Percent	51%, 84%, 75%
CMY	0.4941, 0.1608, 0.2549
CMYK	0.40, 0.00, 0.11, 0.16
HSL	163°, 51%, 67%
HSV	163°, 40%, 84%
XYZ	42.3941, 56.4780, 57.3821
YIQ	185.8490, -42.9560, -25.4840

Conversions

Conversions Part 2

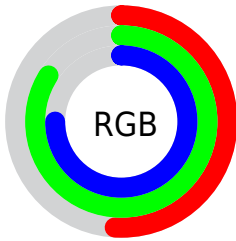
Format	Color
RYB	129, 178, 214
Decimal	8509118
CIELab	79.89, -31.27, 3.77
CIELCh	80, 31.499, 173.124
Yxy	56.4780, 0.2713, 0.3614
Android (android.graphics.Color)	4286699198 (0xFF81D6BE)
YUV	185.8490, 2.0464, -49.8566
Hunter-Lab	75.1518, -30.8216, 7.3355

Details

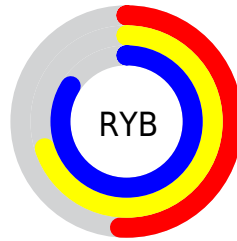
The XYZ color **42.3941, 56.4780, 57.3821** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.3335, 32.2981, 34.1949**, and the grayscale version is **46.5950, 49.0216, 53.3845**.

A 20% lighter version of the original color is **72.4021, 88.4881, 100.4527**, and **19.7375, 28.0583, 28.0424** is the 20% darker color. If you saturate the color by 10%, you get **38.8310, 54.7174, 53.8395**, and if you desaturate by 10%, it is **46.6685, 58.6051, 61.1034**.

Distribution



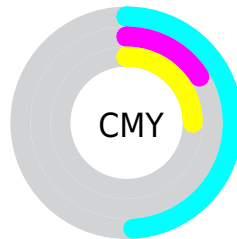
- Red (51%)
- Green (84%)
- Blue (75%)



- Red (51%)
- Yellow (70%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3941, 56.4780, 57.3821 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 42.3941, 56.4780, 57.3821 by changing the saturation by 10% instead.


 42.3941, 56.4780,
57.3821


 42.3941, 56.4780,
57.3821

347.0779,
411.4904, 432.4133


 29.6025, 40.5863,
40.9007


 78.0572, 99.7031,
102.5284

 19.6836, 27.9960,
27.9224


 101.6593,
127.8053, 132.0303

 12.2722, 18.3226,
18.0286


 129.5956,
160.7465, 166.7095

 7.0029, 11.1819,
10.8009

162.2315,
198.9110, 206.9845

 3.5102, 6.1893,
5.8206

199.9324,
242.6832, 253.2739

 1.4290, 2.9605,
2.6693

243.0635,

 0.2767, 1.1112,

292.4476, 305.9961

0.9279

291.9902,
348.5886, 365.5697

■ 0.0000, 0.0000,
0.0000

■ 42.3941, 56.4780,
57.3821

■ 42.3941, 56.4780,
57.3821

■ 38.8310, 54.7174,
53.8395

■ 46.6685, 58.6051,
61.1034

■ 35.9314, 53.2942,
50.4681

■ 51.6888, 61.1120,
65.0030

■ 33.6486, 52.1859,
47.2650

■ 57.4932, 64.0199,
69.0856

■ 31.9281, 51.3644,
44.2260

■ 64.1156, 67.3463,
73.3545

■ 30.7050, 50.7963,
41.3463

■ 71.5882, 71.1076,
77.8126

■ 29.8665, 50.4236,
38.6186

■ 79.0507, 74.8604,
82.4214

■ 29.8449, 50.4141,
38.5441

■ 79.8961, 75.1986,
86.8732

■ 80.7710, 75.5485,
91.4805

■ 81.6758, 75.9104,
96.2449

Harmonies

Analogous

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



44.4490, 56.4780, 42.7215



42.3941, 56.4780, 57.3821



43.1659, 56.4780, 76.3582

Triad

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



42.3941, 56.4780, 57.3821



58.6465, 56.4780, 99.8166



61.3878, 56.4780, 37.4446

Complementary

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



42.3941, 56.4780, 57.3821



41.3335, 32.2981, 34.1949

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.



65.7777, 56.4780, 48.6976



42.3941, 56.4780, 57.3821



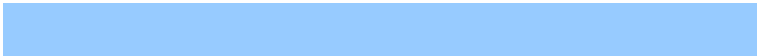
64.1095, 56.4780, 85.0918

Square

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



42.3941, 56.4780, 57.3821



52.2247, 56.4780, 103.4103



66.8112, 56.4780, 65.7998



55.1634, 56.4780, 32.7823

Rectangle

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



42.3941, 56.4780, 57.3821



45.2116, 56.4780, 88.7887



66.8112, 56.4780, 65.7998



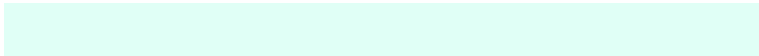
63.1463, 56.4780, 40.4603

Sweetspot

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



42.3957, 56.4803, 57.3834



83.3144, 94.1072, 101.2515



41.1634, 56.4609, 29.4983



17.5825, 20.0174, 21.4990



0.0000, 0.0000, 0.0000



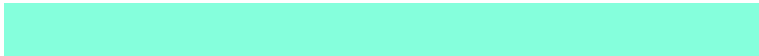
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3957, 56.4803, 57.3834



58.3461, 81.6645, 80.7017



40.8387, 48.8164, 70.8911



12.6357, 14.0453, 15.1619



18.0851, 30.4894, 23.5416



1.1254, 1.8528, 1.6022

Inverse Universe

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



41.3335, 32.2981, 34.1949



56.5630, 40.7218, 41.5172



42.1945, 36.8800, 25.6645



12.5660, 12.4779, 13.6547



17.3005, 8.8565, 3.6204



1.0788, 0.5483, 0.4046

Previews

White Background



This preview shows how the XYZ color 42.3941, 56.4780, 57.3821 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 42.3941, 56.4780, 57.3821 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

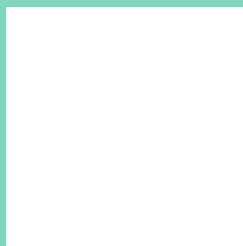
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3941, 56.4780, 57.3821

Background



This preview shows how black text looks on a background with the XYZ color 42.3941, 56.4780, 57.3821.

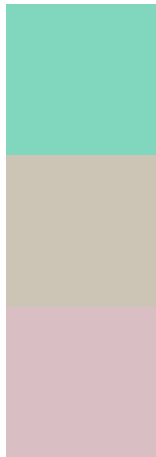


This preview shows how white text looks on a background with the XYZ color 42.3941, 56.4780,

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

42.3941, 56.4780, 57.3821

Protanopia

52.8800, 55.6125, 51.1272

Deuteranopia

57.0964, 55.9534, 59.4205



Tritanopia

47.0092, 56.4952, 80.3785

Trichromacy



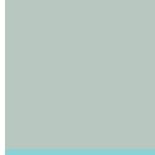
Original Color

42.3941, 56.4780, 57.3821



Protanomaly

48.1391, 55.5197, 53.5266



Deuteranomaly

50.0566, 55.0114, 58.4321



Tritanomaly

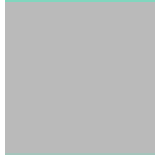
45.2962, 56.5435, 71.4774

Monochromacy



Original Color

42.3941, 56.4780, 57.3821



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.2266, 51.0670, 54.5396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3941, 56.4780, 57.3821 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(129, 214, 190)` looks like.

```
.text, #text, p{  
    color:rgb(129, 214, 190)  
}
```

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(129, 214, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 214, 190) }
```

Border

The CSS property to change the border of an element to XYZ 42.3941, 56.4780, 57.3821 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(129, 214, 190) }
```


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

```
.border{ border-color:rgb(129, 214, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 214, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 214, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 214, 190);  
box-shadow:4px 4px 4px 4px rgb(129, 214,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3941, 56.4780, 57.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 214, 190) }
```

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

```
.background{ background-color: rgb(129,  
214, 190) }
```

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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