

Converting Colors

XYZ(40.6340, 54.4681, 56.7418)

Have a look what the booklet for
XYZ(40.6340, 54.4681, 56.7418)
contains.

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Color

**XYZ(40.6480, 54.4736,
56.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD3BD
RGB	123, 211, 189
RGB Percent	48%, 83%, 74%
CMY	0.5176, 0.1725, 0.2588
CMYK	0.42, 0.00, 0.10, 0.17
HSL	165°, 50%, 65%
HSV	165°, 42%, 83%
XYZ	40.6480, 54.4736, 56.5162
YIQ	182.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

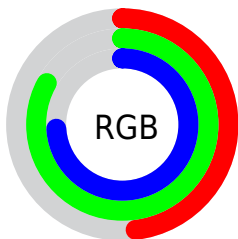
Format	Color
RYB	123, 173, 211
Decimal	8115133
CIELab	78.74, -31.64, 2.61
CIElCh	79, 31.750, 175.288
Yxy	54.4736, 0.2681, 0.3592
Android (android.graphics.Color)	4286305213 (0xFF7BD3BD)
YUV	182.1800, 3.3623, -51.9009
Hunter-Lab	73.8062, -30.8539, 6.2638

Details

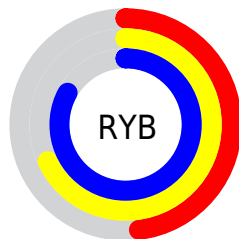
The XYZ color **40.6480, 54.4736, 56.5162** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.0597, 30.0607, 30.5339**, and the grayscale version is **44.5628, 46.8835, 51.0561**.

A 20% lighter version of the original color is **70.8318, 87.6963, 99.5800**, and **18.6471, 26.7478, 27.4726** is the 20% darker color. If you saturate the color by 10%, you get **37.3867, 52.8587, 53.4292**, and if you desaturate by 10%, it is **44.5837, 56.4365, 59.7458**.

Distribution



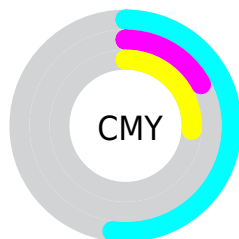
- Red (48%)
- Green (83%)
- Blue (74%)



- Red (48%)
- Yellow (68%)
- Blue (83%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (17%)





- Cyan (52%)
- Magenta (17%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6480, 54.4736, 56.5162 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 40.6480, 54.4736, 56.5162 by changing the saturation by 10% instead.


 40.6480, 54.4736,
56.5162


 40.6480, 54.4736,
56.5162


339.9351,
403.9134, 429.0768


 28.2306, 38.9804,
40.2102


 75.4273, 96.7693,
101.2522

 18.6409, 26.7445,
27.3874


 98.5200, 124.3406,
130.5193

 11.5136, 17.3814,
17.6294


 125.9018,
156.7067, 164.9438

 6.4832, 10.5068,
10.5176

157.9380,
194.2520, 204.9443

 3.1845, 5.7363,
5.6334

194.9941,
237.3609, 250.9393

 1.2521, 2.6854,
2.5583

237.4354,

 0.1469, 0.9698,

286.4179, 303.3474

0.8708

285.6273,
341.8073, 362.5870

■ 0.0000, 0.0000,
0.0000

■ 40.6480, 54.4736,
56.5162

■ 40.6480, 54.4736,
56.5162

■ 37.3867, 52.8587,
53.4292

■ 44.5837, 56.4365,
59.7458

■ 34.7528, 51.5635,
50.4781

■ 49.2279, 58.7609,
63.1173

■ 32.7005, 50.5657,
47.6606


■ 54.6177, 61.4672,
66.6347


■ 31.1754, 49.8374,
44.9731


■ 60.7864, 64.5725,
70.3006


■ 30.1126, 49.3451,
42.4113


■ 67.7652, 68.0930,
74.1176

 29.4881, 49.0676,
40.3766

 75.5836, 72.0437,
78.0881

 78.2531, 73.3376,
81.9328

 78.9882, 73.6316,
85.8033

 79.7456, 73.9346,
89.7922

Harmonies

Analogous

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



42.4690, 54.4736, 41.7162



40.6480, 54.4736, 56.5162



41.6056, 54.4736, 75.3477

Triad

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



40.6480, 54.4736, 56.5162



57.1076, 54.4736, 96.4038



58.9618, 54.4736, 35.1818

Complementary

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



40.6480, 54.4736, 56.5162



39.0597, 30.0607, 30.5339

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.



63.4808, 54.4736, 45.7308



40.6480, 54.4736, 56.5162



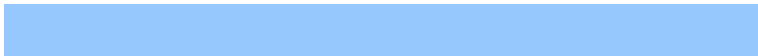
62.3510, 54.4736, 81.2691

Square

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



40.6480, 54.4736, 56.5162



50.7897, 54.4736, 100.8919



64.7684, 54.4736, 62.1995



52.7740, 54.4736, 31.0885

Rectangle

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



40.6480, 54.4736, 56.5162



43.7352, 54.4736, 87.4436



64.7684, 54.4736, 62.1995



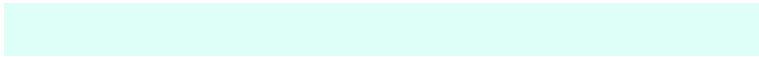
60.7455, 54.4736, 37.9720

Sweetspot

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



40.6495, 54.4758, 56.5175



82.5823, 93.7235, 101.5005



38.8084, 54.1747, 27.1514



17.2672, 19.8553, 21.4648



0.0000, 0.0000, 0.0000



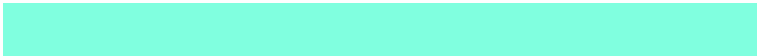
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6495, 54.4758, 56.5175



57.9228, 81.4048, 82.5582



38.4427, 45.9455, 68.4727



12.0268, 13.3545, 14.4975



17.8383, 29.6282, 24.5922



1.0281, 1.6689, 1.5367

Inverse Universe

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



39.0597, 30.0607, 30.5339



55.1850, 39.0846, 37.6086



40.3436, 35.0861, 23.3860



11.9283, 11.8560, 12.8980



16.6317, 8.5255, 2.9669



0.9624, 0.4897, 0.3367

Previews

White Background



This preview shows how the XYZ color 40.6480, 54.4736, 56.5162 looks on a white background.

Color Contrast Check

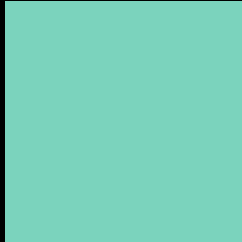
Large Text (above 18pt) WCAG AA × Fail

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 40.6480, 54.4736, 56.5162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

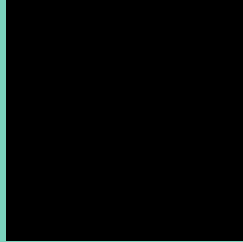
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6480, 54.4736, 56.5162

Background



This preview shows how black text looks on a background with the XYZ color 40.6480, 54.4736, 56.5162.



This preview shows how white text looks on a background with the XYZ color 40.6480, 54.4736,

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

40.6480, 54.4736, 56.5162

Protanopia

51.2940, 53.8121, 50.3311

Deuteranopia

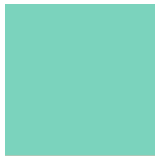
54.8722, 53.8585, 58.5426



Tritanopia

44.9063, 54.3759, 77.9408

Trichromacy



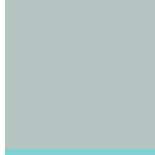
Original Color

40.6480, 54.4736, 56.5162



Protanomaly

46.4351, 53.6117, 52.7004



Deuteranomaly

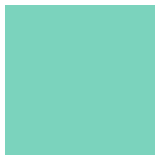
48.0767, 52.9889, 57.5631



Tritanomaly

43.3670, 54.4820, 69.8584

Monochromacy



Original Color

40.6480, 54.4736, 56.5162



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.5249, 49.2198, 53.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6480, 54.4736, 56.5162 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(123, 211, 189)` looks like.

```
.text, #text, p{  
    color:rgb(123, 211, 189)  
}
```

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(123, 211, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 211, 189) }
```

Border

The CSS property to change the border of an element to XYZ 40.6480, 54.4736, 56.5162 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(123, 211, 189) }
```


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

```
.border{ border-color:rgb(123, 211, 189) }
```

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

Here you see how a box with a 4 pixel rgb(123, 211, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 211, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 211, 189);  
box-shadow:4px 4px 4px 4px rgb(123, 211,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6480, 54.4736, 56.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 211, 189) }
```

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

```
.background{ background-color: rgb(123,  
211, 189) }
```

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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