

Converting Colors

XYZ(40.8781, 57.6553, 55.4294)

Have a look what the booklet for
XYZ(40.8781, 57.6553, 55.4294)
contains.

XYZ(40.8765, 57.6530, 55.4281)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.8765, 57.6530,
55.4281)**

Conversions

Conversions Part 1

Format	Color
Hex	70DBBA
RGB	112, 219, 186
RGB Percent	44%, 86%, 73%
CMY	0.5608, 0.1412, 0.2706
CMYK	0.49, 0.00, 0.15, 0.14
HSL	161°, 60%, 65%
HSV	161°, 49%, 86%
XYZ	40.8765, 57.6530, 55.4281
YIQ	183.2450, -53.1790, -32.9470

Conversions

Conversions Part 2

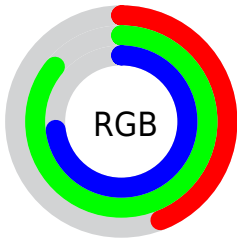
Format	Color
RYB	112, 175, 219
Decimal	7396282
CIELab	80.55, -38.73, 6.76
CIELCh	81, 39.319, 170.094
Yxy	57.6530, 0.2655, 0.3745
Android (android.graphics.Color)	4285586362 (0xFF70DBBA)
YUV	183.2450, 1.3582, -62.4819
Hunter-Lab	75.9296, -36.7817, 9.8694

Details

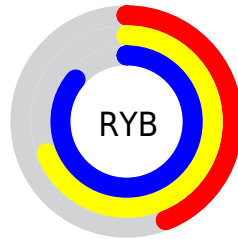
The XYZ color **40.8765, 57.6530, 55.4281** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.1203, 28.6941, 30.2140**, and the grayscale version is **45.1592, 47.5110, 51.7395**.

A 20% lighter version of the original color is **68.3646, 86.4769, 97.0929**, and **18.6961, 28.5916, 26.7237** is the 20% darker color. If you saturate the color by 10%, you get **37.7207, 56.1086, 51.6209**, and if you desaturate by 10%, it is **44.7471, 59.5649, 59.4485**.

Distribution



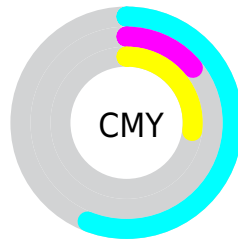
- Red (44%)
- Green (86%)
- Blue (73%)



- Red (44%)
- Yellow (69%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (56%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8765, 57.6530, 55.4281 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 40.8765, 57.6530, 55.4281 by changing the saturation by 10% instead.


 40.8765, 57.6530,
55.4281


 40.8765, 57.6530,
55.4281


340.8756,
415.8917, 424.8603


 28.4098, 41.5297,
39.3437


 75.7723, 101.4174,
99.6453

 18.7769, 28.7332,
26.7173


 98.9321, 129.8273,
128.6152

 11.6122, 18.8791,
17.1305


 126.3870,
163.1015, 162.7173

 6.5505, 11.5830,
10.1646

158.5024,
201.6245, 202.3702

 3.2264, 6.4604,
5.4012

195.6436,
245.7806, 247.9924

 1.2746, 3.1270,
2.4217

238.1760,

 0.1641, 1.1984,

295.9543, 300.0025

0.7982

286.4648,
352.5298, 358.8189

■ 0.0000, 0.0604,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8765, 57.6530,
55.4281

■ 40.8765, 57.6530,
55.4281

■ 37.7207, 56.1086,
51.6209

■ 44.7471, 59.5649,
59.4485

■ 35.2243, 54.8989,
48.0181


■ 49.3731, 61.8608,
63.6826


■ 33.3318, 53.9966,
44.6159


■ 54.7977, 64.5643,
68.1360


■ 31.9754, 53.3669,
41.4087


■ 61.0593, 67.6952,
72.8128


 31.0501, 52.9558,
38.3888


 68.1938, 71.2720,
77.7169

 30.9557, 52.9144,
38.0551

 76.2350, 75.3121,
82.8521

 81.3213, 77.8246,
88.0398

 82.3066, 78.2188,
93.2285

 83.3293, 78.6278,
98.6140

Harmonies

Analogous

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



43.7253, 57.6530, 38.3424



40.8765, 57.6530, 55.4281



41.4664, 57.6530, 79.3307

Triad

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



40.8765, 57.6530, 55.4281



60.3088, 57.6530, 114.5032



65.3783, 57.6530, 34.4606

Complementary

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



40.8765, 57.6530, 55.4281



40.1203, 28.6941, 30.2140

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.



70.7172, 57.6530, 48.6983



40.8765, 57.6530, 55.4281



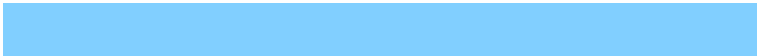
67.5967, 57.6530, 95.8554

Square

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



40.8765, 57.6530, 55.4281



52.1684, 57.6530, 117.5824



71.5667, 57.6530, 70.7425



57.5133, 57.6530, 28.3594

Rectangle

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



40.8765, 57.6530, 55.4281



43.7533, 57.6530, 96.0030



71.5667, 57.6530, 70.7425



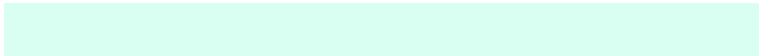
67.5592, 57.6530, 38.2624

Sweetspot

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



40.8781, 57.6553, 55.4294



80.5093, 92.7167, 98.6074



40.0912, 57.9356, 24.3997



16.8429, 19.6506, 20.8090



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.



40.8781, 57.6553, 55.4294



52.9917, 79.0796, 72.5312



39.9817, 49.5848, 74.4842



13.2650, 14.7576, 15.8582



18.4056, 31.3949, 22.8331



1.2303, 2.0491, 1.6789

Inverse Universe

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



40.1203, 28.6941, 30.2140



51.8280, 33.5046, 32.9936



40.3392, 32.6301, 19.5021



13.2206, 13.1173, 14.4229



17.9759, 9.1914, 4.2532



1.2025, 0.6107, 0.4756

Previews

White Background



This preview shows how the XYZ color 40.8765, 57.6530, 55.4281 looks on a white background.

Color Contrast Check

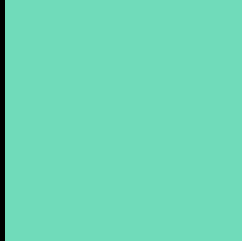
Large Text (above 18pt) WCAG AA × Fail

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 40.8765, 57.6530, 55.4281 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

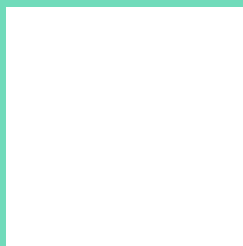
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8765, 57.6530, 55.4281

Background



This preview shows how black text looks on a background with the XYZ color 40.8765, 57.6530, 55.4281.

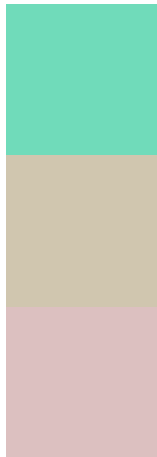


This preview shows how white text looks on a background with the XYZ color 40.8765, 57.6530,

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

40.8765, 57.6530, 55.4281

Protanopia

53.9444, 56.8932, 48.6958

Deuteranopia

57.8793, 56.7207, 57.7668



Tritanopia

46.5346, 57.6616, 83.5401

Trichromacy



Original Color

40.8765, 57.6530, 55.4281



Protanomaly

47.4416, 56.2815, 51.0108



Deuteranomaly

49.4708, 55.7825, 56.8749



Tritanomaly

44.1838, 57.4490, 72.3784

Monochromacy



Original Color

40.8765, 57.6530, 55.4281



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.2963, 50.1086, 52.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8765, 57.6530, 55.4281 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(112, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 219, 186)  
}
```

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(112, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 219, 186) }
```

Border

The CSS property to change the border of an element to XYZ 40.8765, 57.6530, 55.4281 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(112, 219, 186) }
```


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

```
.border{ border-color:rgb(112, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(112, 219,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8765, 57.6530, 55.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 219, 186) }
```

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

```
.background{ background-color: rgb(112,  
219, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor