

Converting Colors

XYZ(41.6349, 55.9044, 80.5210)

Have a look what the booklet for
XYZ(41.6349, 55.9044, 80.5210)
contains.

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Color

**XYZ(41.6841, 55.9767,
80.5591)**

Conversions

Conversions Part 1

Format	Color
Hex	54D7E2
RGB	84, 215, 226
RGB Percent	33%, 84%, 89%
CMY	0.6706, 0.1568, 0.1137
CMYK	0.63, 0.05, 0.00, 0.11
HSL	185°, 71%, 61%
HSV	185°, 63%, 89%
XYZ	41.6841, 55.9767, 80.5591
YIQ	177.0850, -81.6070, -24.3510

Conversions

Conversions Part 2

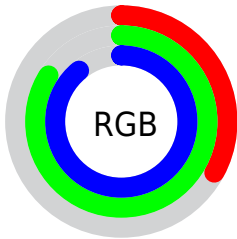
Format	Color
R _Y B	84, 152, 226
Decimal	5560290
CIE Lab	79.60, -32.19, -16.06
CIE LCh	80, 35.975, 206.517
Yxy	55.9767, 0.2339, 0.3141
Android (android.graphics.Color)	4283750370 (0xFF54D7E2)
YUV	177.0850, 24.1151, -81.6355
Hunter-Lab	74.8176, -31.4807, -11.4676

Details

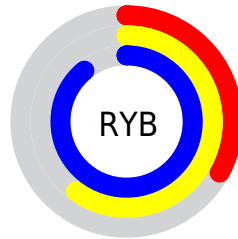
The XYZ color **41.6841, 55.9767, 80.5591** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.0578, 24.9948, 11.2605**, and the grayscale version is **41.7446, 43.9185, 47.8273**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **19.9215, 28.0819, 42.8985** is the 20% darker color. If you saturate the color by 10%, you get **39.5352, 54.2119, 80.3327**, and if you desaturate by 10%, it is **44.4935, 58.0915, 80.8203**.

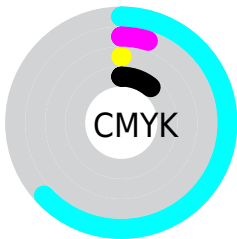
Distribution



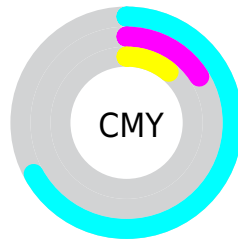
- Red (33%)
- Green (84%)
- Blue (89%)



- Red (33%)
- Yellow (60%)
- Blue (89%)



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (67%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6841, 55.9767, 80.5591 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 41.6841, 55.9767, 80.5591 by changing the saturation by 10% instead.

 41.6841, 55.9767,
80.5591


 41.6841, 55.9767,
80.5591


344.1857,
409.6037, 516.5714


 29.0440, 40.1842,
59.6497


 76.9895, 98.9705,
135.9700


 19.2586, 27.6822,
42.7129


 100.3855,
126.9407, 171.3086

 11.9624, 18.0863,
29.3302


 128.0975,
159.7388, 212.2939

 6.7901, 11.0119,
19.0830

 160.4910,
197.7494, 259.3446

 3.3763, 6.0749,
11.5529

197.9311,
241.3568, 312.8791

 1.3558, 2.8907,
6.3212

240.7834,

 0.2244, 1.0749,

290.9453, 373.3161

2.9694

289.4131,
346.8995, 441.0740

■ 0.0000, 0.0000,
1.0790

■ 0.0000, 0.0000,
0.0000

■ 41.6841, 55.9767,
80.5591

■ 41.6841, 55.9767,
80.5591

■ 39.5352, 54.2119,
80.3327

■ 44.4935, 58.0915,
80.8203

■ 37.9764, 52.7571,
80.1341


■ 48.0150, 60.5793,
81.1148


■ 36.9303, 51.5738,
79.9608


■ 52.3009, 63.4683,
81.4466


■ 36.4048, 50.8452,
79.8479


■ 57.3971, 66.7821,
81.8176

 63.3460, 70.5427,
82.2299

 70.1870, 74.7704,
82.6854

 77.9568, 79.4841,
83.1857

 82.9890, 82.7937,
83.5593

 83.4758, 83.7674,
83.7216

Harmonies

Analogous

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



40.4721, 55.9767, 58.5566



41.6841, 55.9767, 80.5591



45.8809, 55.9767, 100.6610

Triad

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



41.6841, 55.9767, 80.5591



65.6932, 55.9767, 85.7233



54.0552, 55.9767, 29.1629

Complementary

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



41.6841, 55.9767, 80.5591



37.0578, 24.9948, 11.2605

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.



61.2680, 55.9767, 33.3555



41.6841, 55.9767, 80.5591



68.3603, 55.9767, 63.4059

Square

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



41.6841, 55.9767, 80.5591



59.6711, 55.9767, 104.0867



66.6723, 55.9767, 44.8115



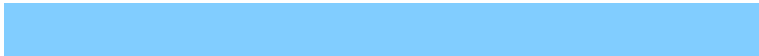
47.2222, 55.9767, 31.7595

Rectangle

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



41.6841, 55.9767, 80.5591



50.0209, 55.9767, 108.5764



66.6723, 55.9767, 44.8115



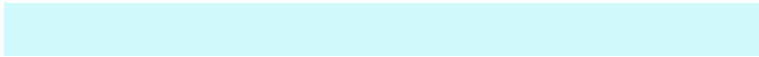
56.5197, 55.9767, 29.7951

Sweetspot

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



41.6858, 55.9788, 80.5604



78.2311, 89.5696, 107.7732



32.8505, 57.0774, 19.7521



16.2819, 18.8770, 23.0354



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.



41.6858, 55.9788, 80.5604



51.3632, 70.7318, 105.5532



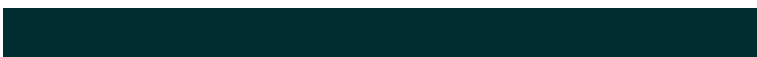
27.5925, 27.7921, 75.8626



14.0210, 15.3811, 17.6175



20.8086, 29.0868, 45.5659



1.4697, 2.0709, 3.1675

Inverse Universe

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



46.8016, 27.4174, 67.1175



58.8153, 31.2010, 85.5060



46.3249, 43.5290, 14.3495



14.2468, 13.9164, 17.0699



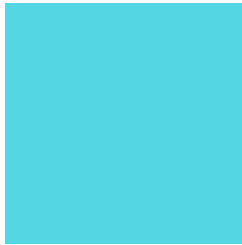
24.4434, 11.8444, 35.3304



1.7081, 0.8265, 2.5217

Previews

White Background



This preview shows how the XYZ color 41.6841, 55.9767, 80.5591 looks on a white background.

Color Contrast Check

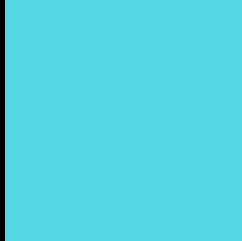
Large Text (above 18pt) WCAG AA × Fail

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 41.6841, 55.9767, 80.5591 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 41.6841, 55.9767, 80.5591

Background



This preview shows how black text looks on a background with the XYZ color 41.6841, 55.9767, 80.5591.



This preview shows how white text looks on a background with the XYZ color 41.6841, 55.9767,

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

41.6841, 55.9767, 80.5591

Protanopia

53.7735, 55.3036, 70.7913

Deuteranopia

56.3433, 55.0369, 83.2549



Tritanopia

42.4009, 55.8889, 84.1542

Trichromacy



Original Color

41.6841, 55.9767, 80.5591

Protanomaly

47.1018, 54.1730, 74.3036

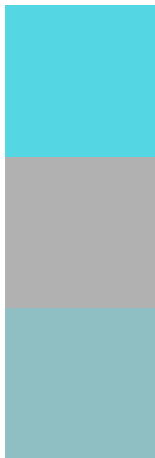
Deuteranomaly

48.7018, 54.1338, 82.0108

Tritanomaly

42.0272, 55.7287, 82.6704

Monochromacy



Original Color

41.6841, 55.9767, 80.5591

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.8088, 47.0414, 58.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6841, 55.9767, 80.5591 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(84, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(84, 215, 226)  
}
```

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(84, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 215, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.6841, 55.9767, 80.5591 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(84, 215, 226) }
```


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

```
.border{ border-color:rgb(84, 215, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(84, 215,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6841, 55.9767, 80.5591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 215, 226) }
```

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

```
.background{ background-color: rgb(84, 215,  
226) }
```

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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