

Converting Colors

XYZ(41.1161, 54.5399, 82.8555)

Have a look what the booklet for
XYZ(41.1161, 54.5399, 82.8555)
contains.

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Color

**XYZ(41.1347, 54.5056,
83.2155)**

Conversions

Conversions Part 1

Format	Color
Hex	50D4E6
RGB	80, 212, 230
RGB Percent	31%, 83%, 90%
CMY	0.6862, 0.1686, 0.0980
CMYK	0.65, 0.08, 0.00, 0.10
HSL	187°, 75%, 61%
HSV	187°, 65%, 90%
XYZ	41.1347, 54.5056, 83.2155
YIQ	174.5840, -84.4500, -22.3860

Conversions

Conversions Part 2

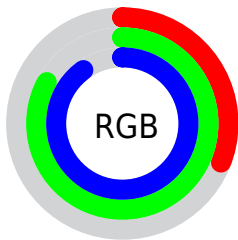
Format	Color
R_{YB}	80, 150, 230
Decimal	5297382
CIE _{Lab}	78.76, -30.22, -19.49
CIE _{LCh}	79, 35.961, 212.809
Yxy	54.5056, 0.2300, 0.3047
Android (android.graphics.Color)	4283487462 (0xFF50D4E6)
YUV	174.5840, 27.3201, -82.9502
Hunter-Lab	73.8279, -29.7440, -15.1495

Details

The XYZ color **41.1347, 54.5056, 83.2155** 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 **38.4502, 26.1393, 10.6100**, and the grayscale version is **40.4294, 42.5349, 46.3205**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **19.6970, 27.1699, 44.2506** is the 20% darker color. If you saturate the color by 10%, you get **38.8312, 52.3037, 82.9129**, and if you desaturate by 10%, it is **44.1178, 57.0776, 83.5557**.

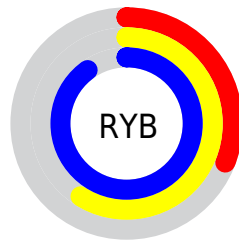
Distribution



Red (31%)

Green (83%)

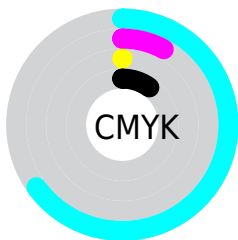
Blue (90%)



Red (31%)

Yellow (59%)

Blue (90%)

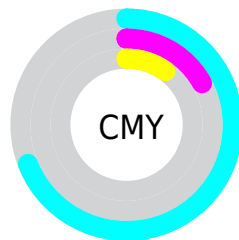


Cyan (65%)

Magenta (8%)

Yellow (0%)

Black (10%)



Cyan (69%)

Magenta (17%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1347, 54.5056, 83.2155 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 41.1347, 54.5056, 83.2155 by changing the saturation by 10% instead.

41.1347, 54.5056,
83.2155

41.1347, 54.5056,
83.2155

341.9363,
404.0351, 525.6942

28.6125, 39.0060,
61.8263

76.1617, 96.8162,
139.7292

18.9307, 26.7644,
44.4575

99.3973, 124.3960,
175.6907

11.7239, 17.3964,
30.6905

126.9347,
156.7714, 217.3468

6.6268, 10.5175,
20.1068

159.1392,
194.3267, 265.1160

3.2741, 5.7434,
12.2878

196.3763,
237.4463, 319.4168

1.3003, 2.6897,
6.8151

239.0112,

0.1834, 0.9720,

286.5147, 380.6677

3.2701

287.4094,
341.9161, 449.2874

■ 0.0000, 0.0000,
1.2341

■ 0.0000, 0.0000,
0.0069

■ 41.1347, 54.5056,
83.2155

■ 41.1347, 54.5056,
83.2155

■ 38.8312, 52.3037,
82.9129

■ 44.1178, 57.0776,
83.5557

■ 37.1309, 50.4292,
82.6407

■ 47.8365, 60.0453,
83.9326

■ 35.9484, 48.8388,
82.3961

■ 52.3468, 63.4387,
84.3498

■ 35.4982, 48.1434,
82.2856

■ 57.6976, 67.2831,
84.8099

63.9340, 71.6020,
85.3148

71.0979, 76.4170,
85.8666

79.2284, 81.7482,
86.4671

84.9694, 85.8657,
86.9593

85.7616, 87.4502,
87.2234

Harmonies

Analogous

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



39.3049, 54.5056, 61.2885



41.1347, 54.5056, 83.2155



45.8010, 54.5056, 101.4775

Triad

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



41.1347, 54.5056, 83.2155



64.9560, 54.5056, 79.1178



51.1383, 54.5056, 28.1791

Complementary

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



41.1347, 54.5056, 83.2155



38.4502, 26.1393, 10.6100

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.



58.3141, 54.5056, 30.8677



41.1347, 54.5056, 83.2155



66.7109, 54.5056, 57.4476

Square

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



41.1347, 54.5056, 83.2155



59.5799, 54.5056, 98.7562



64.1794, 54.5056, 40.5445



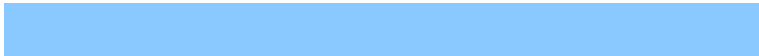
44.7395, 54.5056, 32.1264

Rectangle

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



41.1347, 54.5056, 83.2155



50.1117, 54.5056, 107.3392



64.1794, 54.5056, 40.5445



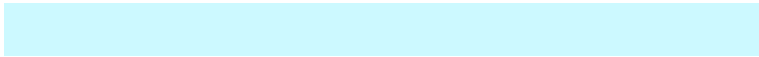
53.5379, 54.5056, 28.3383

Sweetspot

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



41.1364, 54.5076, 83.2168



76.7905, 87.7347, 107.4949



33.7877, 59.1728, 21.0746



15.9687, 18.4535, 22.9702



0.0000, 0.0000, 0.0000



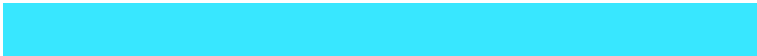
20.3446, 21.4041, 23.3091

Same Dimension

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



41.1364, 54.5076, 83.2168



48.2997, 65.2900, 104.6643



26.6099, 25.4547, 78.3747



14.6521, 16.0256, 18.4653



20.1569, 27.3758, 46.6049



1.5314, 2.1067, 3.4579

Inverse Universe

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



47.3869, 27.3155, 65.0642



57.1016, 29.8751, 78.4568



48.9306, 47.0999, 14.1035



14.9167, 14.5839, 17.7619



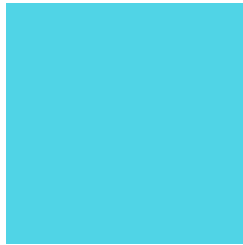
24.5678, 11.9613, 32.9484



1.8366, 0.8923, 2.5460

Previews

White Background



This preview shows how the XYZ color 41.1347, 54.5056, 83.2155 looks on a white background.

Color Contrast Check

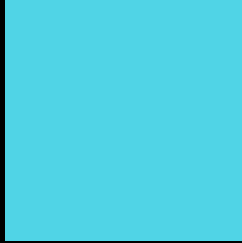
Large Text (above 18pt) WCAG AA × Fail

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 41.1347, 54.5056, 83.2155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

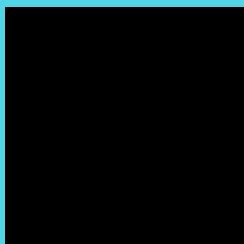
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

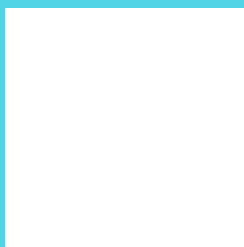
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1347, 54.5056, 83.2155

Background



This preview shows how black text looks on a background with the XYZ color 41.1347, 54.5056, 83.2155.

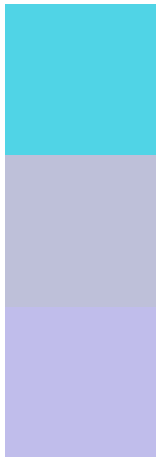


This preview shows how white text looks on a background with the XYZ color 41.1347, 54.5056,

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

41.1347, 54.5056, 83.2155

Protanopia

52.6092, 53.6562, 73.2295

Deuteranopia

54.9312, 53.5998, 86.0479



Tritanopia

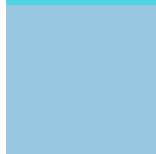
40.9946, 54.4496, 82.4779

Trichromacy



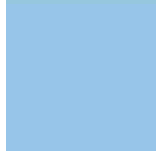
Original Color

41.1347, 54.5056, 83.2155



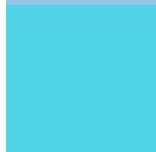
Protanomaly

46.1859, 52.6048, 76.8267



Deuteranomaly

47.4367, 52.3950, 84.7039



Tritanomaly

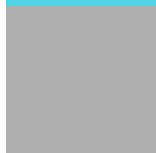
40.9946, 54.4496, 82.4779

Monochromacy



Original Color

41.1347, 54.5056, 83.2155



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.6488, 45.4820, 58.3717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1347, 54.5056, 83.2155 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(80, 212, 230)` looks like.

```
.text, #text, p{  
    color:rgb(80, 212, 230)  
}
```

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(80, 212, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 212, 230) }
```

Border

The CSS property to change the border of an element to XYZ 41.1347, 54.5056, 83.2155 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(80, 212, 230) }
```


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

```
.border{ border-color:rgb(80, 212, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 212, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 212, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 212, 230);  
box-shadow:4px 4px 4px 4px rgb(80, 212,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1347, 54.5056, 83.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 212, 230) }
```

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

```
.background{ background-color: rgb(80, 212,  
230) }
```

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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