

Converting Colors

XYZ(41.4611, 56.6813, 78.6489)

Have a look what the booklet for
XYZ(41.4611, 56.6813, 78.6489)
contains.

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Color

**XYZ(41.4404, 56.6589,
78.5642)**

Conversions

Conversions Part 1

Format	Color
Hex	50D9DF
RGB	80, 217, 223
RGB Percent	31%, 85%, 87%
CMY	0.6862, 0.1490, 0.1255
CMYK	0.64, 0.03, 0.00, 0.13
HSL	183°, 69%, 59%
HSV	183°, 64%, 87%
XYZ	41.4404, 56.6589, 78.5642
YIQ	176.7210, -83.5780, -27.1780

Conversions

Conversions Part 2

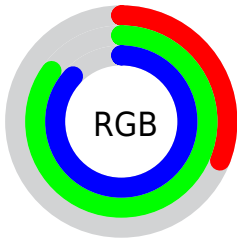
Format	Color
RYB	80, 150, 223
Decimal	5298655
CIELab	79.99, -34.60, -13.89
CIELCh	80, 37.283, 201.872
Yxy	56.6589, 0.2346, 0.3207
Android (android.graphics.Color)	4283488735 (0xFF50D9DF)
YUV	176.7210, 22.8155, -84.8243
Hunter-Lab	75.2721, -33.4546, -9.1926

Details

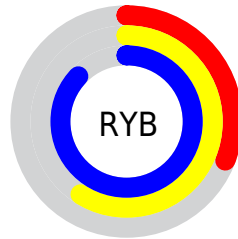
The XYZ color **41.4404, 56.6589, 78.5642** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.2084, 22.9241, 10.1600**, and the grayscale version is **41.5611, 43.7255, 47.6171**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **19.9882, 28.6678, 41.5257** is the 20% darker color. If you saturate the color by 10%, you get **39.6207, 55.3651, 78.4114**, and if you desaturate by 10%, it is **43.8895, 58.2817, 78.7494**.

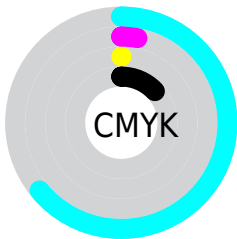
Distribution



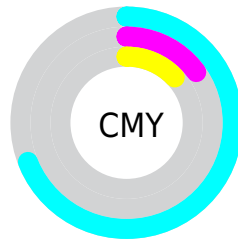
- Red (31%)
- Green (85%)
- Blue (87%)



- Red (31%)
- Yellow (59%)
- Blue (87%)



- Cyan (64%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (69%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4404, 56.6589, 78.5642 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 41.4404, 56.6589, 78.5642 by changing the saturation by 10% instead.


 41.4404, 56.6589,
78.5642


 41.4404, 56.6589,
78.5642


343.1891,
412.1699, 509.6594

 28.8526, 40.7314,
58.0184


 76.6225, 99.9673,
133.1383


 19.1130, 28.1093,
41.4086


 99.9474, 128.1171,
168.0036

 11.8565, 18.4081,
28.3164


 127.5821,
161.1097, 208.4791

 6.7175, 11.2434,
18.3232

 159.8919,
199.3296, 254.9835

 3.3308, 6.2308,
11.0104

197.2421,
243.1612, 307.9351

 1.3310, 2.9859,
5.9596

239.9982,

 0.2063, 1.1244,

292.9888, 367.7526

2.7521

288.5254,
349.1970, 434.8545

■ 0.0000, 0.0000,
0.9695

■ 0.0000, 0.0000,
0.0000

■ 41.4404, 56.6589,
78.5642

■ 41.4404, 56.6589,
78.5642

■ 39.6207, 55.3651,
78.4114

■ 43.8895, 58.2817,
78.7494

■ 38.3607, 54.3607,
78.2839


■ 47.0185, 60.2557,
78.9655


■ 37.5835, 53.6071,
78.1795


■ 50.8789, 62.6089,
79.2162


■ 37.2769, 53.2426,
78.1253


■ 55.5156, 65.3643,
79.5037

 60.9700, 68.5432,
79.8298

 67.2804, 72.1655,
80.1964

 74.4830, 76.2498,
80.6051

 81.3462, 80.1611,
80.9984

 81.5990, 80.6668,
81.0826

Harmonies

Analogous

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



40.6879, 56.6589, 55.9825



41.4404, 56.6589, 78.5642



45.3547, 56.6589, 100.6454

Triad

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



41.4404, 56.6589, 78.5642



66.1356, 56.6589, 91.1818



55.9374, 56.6589, 28.9374

Complementary

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



41.4404, 56.6589, 78.5642



35.2084, 22.9241, 10.1600

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.



63.3507, 56.6589, 34.3629



41.4404, 56.6589, 78.5642



69.5887, 56.6589, 67.7769

Square

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



41.4404, 56.6589, 78.5642



59.4601, 56.6589, 109.0382



68.5244, 56.6589, 47.4267



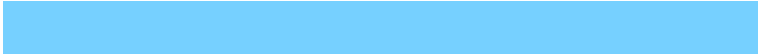
48.6092, 56.6589, 30.5245

Rectangle

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



41.4404, 56.6589, 78.5642



49.4486, 56.6589, 110.4056



68.5244, 56.6589, 47.4267



58.5106, 56.6589, 29.9454

Sweetspot

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



41.4421, 56.6610, 78.5656



78.7716, 90.6508, 107.9534



31.3277, 55.1343, 17.5382



16.4148, 19.1426, 23.0797



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.



41.4421, 56.6610, 78.5656



53.0215, 74.5162, 106.1963



27.0215, 27.8197, 73.7587



14.0647, 15.4686, 17.6321



21.9395, 31.3486, 45.9429



1.5362, 2.2039, 3.1897

Inverse Universe

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



45.8259, 26.4366, 68.3354



59.5381, 31.0529, 90.6604



43.8142, 40.1356, 13.0286



14.2689, 13.9252, 17.1861



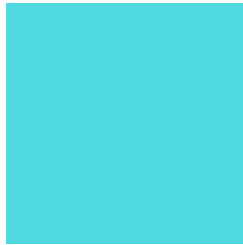
25.0143, 12.0727, 38.3364



1.7417, 0.8399, 2.6985

Previews

White Background



This preview shows how the XYZ color 41.4404, 56.6589, 78.5642 looks on a white background.

Color Contrast Check

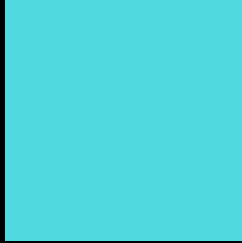
Large Text (above 18pt) WCAG AA × Fail

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 41.4404, 56.6589, 78.5642 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

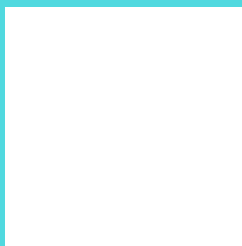
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4404, 56.6589, 78.5642

Background



This preview shows how black text looks on a background with the XYZ color 41.4404, 56.6589, 78.5642.

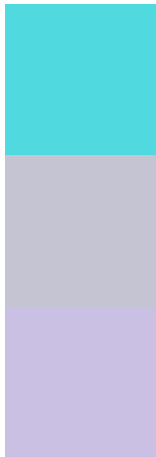


This preview shows how white text looks on a background with the XYZ color 41.4404, 56.6589,

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

41.4404, 56.6589, 78.5642

Protanopia

54.3987, 56.0033, 68.9154

Deuteranopia

56.9406, 55.7182, 81.1524



Tritanopia

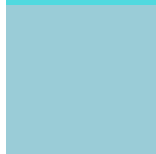
42.7547, 56.4154, 85.7266

Trichromacy



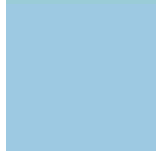
Original Color

41.4404, 56.6589, 78.5642



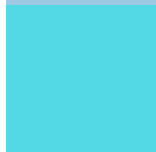
Protanomaly

47.1850, 54.9621, 72.4118



Deuteranomaly

48.5187, 54.4324, 79.9008



Tritanomaly

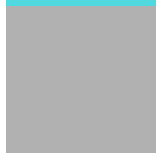
42.2660, 56.6079, 82.8275

Monochromacy



Original Color

41.4404, 56.6589, 78.5642



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.7426, 47.3451, 58.0828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4404, 56.6589, 78.5642 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, 217, 223)` looks like.

```
.text, #text, p{  
    color:rgb(80, 217, 223)  
}
```

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, 217, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 217, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.4404, 56.6589, 78.5642 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, 217, 223) }
```


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

```
.border{ border-color:rgb(80, 217, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 217, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 217, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 217, 223);  
box-shadow:4px 4px 4px 4px rgb(80, 217,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4404, 56.6589, 78.5642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 217, 223) }
```

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

```
.background{ background-color: rgb(80, 217,  
223) }
```

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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