

Converting Colors

XYZ(42.1152, 56.8054, 78.5918)

Have a look what the booklet for
XYZ(42.1152, 56.8054, 78.5918)
contains.

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Color

**XYZ(41.9950, 56.5633,
78.5165)**

Conversions

Conversions Part 1

Format	Color
Hex	59D8DF
RGB	89, 216, 223
RGB Percent	35%, 85%, 87%
CMY	0.6510, 0.1529, 0.1255
CMYK	0.60, 0.03, 0.00, 0.13
HSL	183°, 68%, 61%
HSV	183°, 60%, 87%
XYZ	41.9950, 56.5633, 78.5165
YIQ	178.8250, -77.9390, -24.7470

Conversions

Conversions Part 2

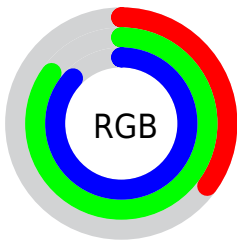
Format	Color
RYB	89, 154, 223
Decimal	5888223
CIELab	79.93, -32.68, -13.95
CIELCh	80, 35.534, 203.108
Yxy	56.5633, 0.2372, 0.3194
Android (android.graphics.Color)	4284078303 (0xFF59D8DF)
YUV	178.8250, 21.7783, -78.7765
Hunter-Lab	75.2086, -31.9441, -9.2518

Details

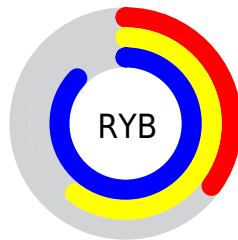
The XYZ color **41.9950, 56.5633, 78.5165** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.4187, 24.7763, 12.3156**, and the grayscale version is **42.6739, 44.8962, 48.8920**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **19.8128, 28.3169, 41.4673** is the 20% darker color. If you saturate the color by 10%, you get **39.8736, 55.0295, 78.3333**, and if you desaturate by 10%, it is **44.7700, 58.4396, 78.7334**.

Distribution



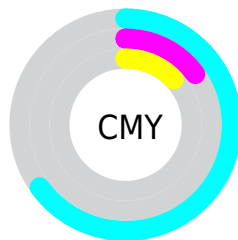
- Red (35%)
- Green (85%)
- Blue (87%)



- Red (35%)
- Yellow (60%)
- Blue (87%)



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9950, 56.5633, 78.5165 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 41.9950, 56.5633, 78.5165 by changing the saturation by 10% instead.

41.9950, 56.5633,
78.5165

41.9950, 56.5633,
78.5165

345.4542,
411.8109, 509.4935

29.2885, 40.6547,
57.9794

77.4573, 99.8277,
133.0705

19.4445, 28.0494,
41.3775

100.9437,
127.9523, 167.9244

12.0978, 18.3629,
28.2922

128.7542,
160.9178, 208.3877

6.8830, 11.2108,
18.3051

161.2540,
199.1084, 254.8789

3.4347, 6.2088,
10.9976

198.8086,
242.9087, 307.8165

1.3876, 2.9725,
5.9510

241.7832,

0.2474, 1.1174,

292.7029, 367.6191

2.7470

290.5433,
348.8755, 434.7053

■ 0.0000, 0.0000,
0.9670

■ 0.0000, 0.0000,
0.0000

■ 41.9950, 56.5633,
78.5165

■ 41.9950, 56.5633,
78.5165

■ 39.8736, 55.0295,
78.3333

■ 44.7700, 58.4396,
78.7334

■ 38.3399, 53.8006,
78.1769

■ 48.2463, 60.6795,
78.9825

■ 37.3237, 52.8416,
78.0454

■ 52.4734, 63.3095,
79.2674

■ 36.7020, 52.0928,
77.9336

■ 57.4946, 66.3520,
79.5900

■ 63.3501, 69.8278,
79.9523

■ 70.0772, 73.7561,
80.3560

■ 77.7111, 78.1550,
80.8027

■ 81.5715, 80.6118,
81.0734

■ 81.8880, 81.2449,
81.1790

Harmonies

Analogous

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



41.1426, 56.5633, 56.9465



41.9950, 56.5633, 78.5165



45.8634, 56.5633, 99.1001

Triad

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



41.9950, 56.5633, 78.5165



65.6256, 56.5633, 88.6212



55.4421, 56.5633, 29.9885

Complementary

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



41.9950, 56.5633, 78.5165



36.4187, 24.7763, 12.3156

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.



62.5184, 56.5633, 34.9844



41.9950, 56.5633, 78.5165



68.7286, 56.5633, 66.4748

Square

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



41.9950, 56.5633, 78.5165



59.3867, 56.5633, 105.7855



67.5436, 56.5633, 47.2861



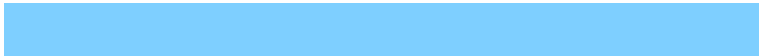
48.5036, 56.5633, 31.8181

Rectangle

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



41.9950, 56.5633, 78.5165



49.8342, 56.5633, 107.9110



67.5436, 56.5633, 47.2861



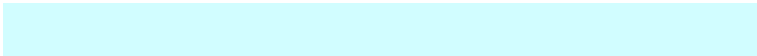
57.8903, 56.5633, 30.8796

Sweetspot

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



41.9967, 56.5654, 78.5178



79.3728, 90.7899, 107.9486



32.6064, 55.7395, 20.0360



16.5237, 19.1541, 23.0762



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.



41.9967, 56.5654, 78.5178



53.4549, 74.1286, 106.0986



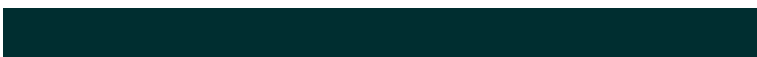
28.2357, 29.0434, 73.9308



14.0520, 15.4432, 17.6279



21.6064, 30.6824, 45.8319



1.5167, 2.1648, 3.1832

Inverse Universe

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



46.4000, 27.7922, 67.8869



60.0630, 32.4352, 89.8105



45.2801, 42.4990, 15.2694



14.2625, 13.9226, 17.1524



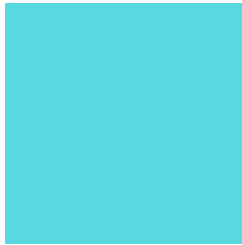
24.8461, 12.0055, 37.4510



1.7318, 0.8360, 2.6466

Previews

White Background



This preview shows how the XYZ color 41.9950, 56.5633, 78.5165 looks on a white background.

Color Contrast Check

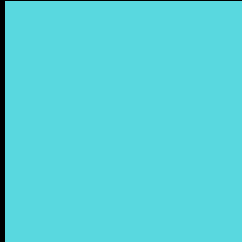
Large Text (above 18pt) WCAG AA × Fail

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 41.9950, 56.5633, 78.5165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

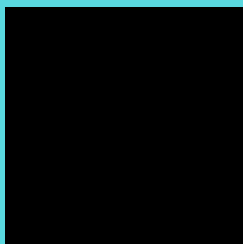
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

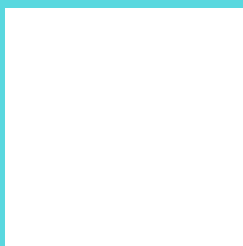
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9950, 56.5633, 78.5165

Background



This preview shows how black text looks on a background with the XYZ color 41.9950, 56.5633, 78.5165.

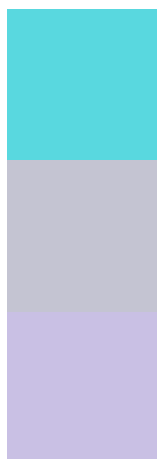


This preview shows how white text looks on a background with the XYZ color 41.9950, 56.5633,

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

41.9950, 56.5633, 78.5165

Protanopia

54.1377, 55.8688, 68.9032

Deuteranopia

56.9406, 55.7182, 81.1524



Tritanopia

43.3801, 56.7542, 85.0122

Trichromacy



Original Color

41.9950, 56.5633, 78.5165

Protanomaly

47.5263, 54.7863, 72.3599

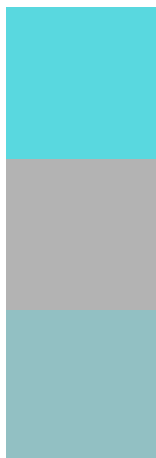
Deuteranomaly

49.1113, 54.7379, 79.9285

Tritanomaly

42.8569, 56.5333, 82.7820

Monochromacy



Original Color

41.9950, 56.5633, 78.5165

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.5540, 47.7504, 58.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9950, 56.5633, 78.5165 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(89, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(89, 216, 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(89, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 216, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.9950, 56.5633, 78.5165 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(89, 216, 223) }
```


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

```
.border{ border-color:rgb(89, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(89, 216,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9950, 56.5633, 78.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 216, 223) }
```

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

```
.background{ background-color: rgb(89, 216,  
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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