

Converting Colors

XYZ(41.7409, 56.6813, 88.1431)

Have a look what the booklet for
XYZ(41.7409, 56.6813, 88.1431)
contains.

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Color

**XYZ(41.6981, 56.5814,
88.0805)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD9EC
RGB	58, 217, 236
RGB Percent	23%, 85%, 93%
CMY	0.7725, 0.1490, 0.0745
CMYK	0.75, 0.08, 0.00, 0.07
HSL	186°, 82%, 58%
HSV	186°, 75%, 93%
XYZ	41.6981, 56.5814, 88.0805
YIQ	171.6250, -100.8630, -27.7990

Conversions

Conversions Part 2

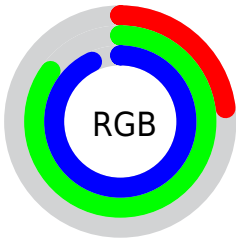
Format	Color
R _{YB}	58, 142, 236
Decimal	3856876
CIE Lab	79.94, -33.63, -20.93
CIE LCh	80, 39.610, 211.903
Yxy	56.5814, 0.2238, 0.3036
Android (android.graphics.Color)	4282046956 (0xFF3AD9EC)
YUV	171.6250, 31.7369, -99.6491
Hunter-Lab	75.2206, -32.6856, -16.7719

Details

The XYZ color **41.6981, 56.5814, 88.0805** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **38.0113, 23.4481, 6.5273**, and the grayscale version is **38.9073, 40.9335, 44.5766**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **21.1585, 29.1359, 47.6886** is the 20% darker color. If you saturate the color by 10%, you get **39.9832, 54.7419, 87.8169**, and if you desaturate by 10%, it is **44.0546, 58.7687, 88.3796**.

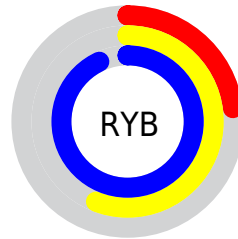
Distribution



Red (23%)

Green (85%)

Blue (93%)



Red (23%)

Yellow (56%)

Blue (93%)

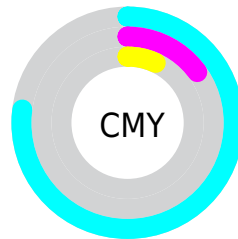


Cyan (75%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (77%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6981, 56.5814, 88.0805 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 41.6981, 56.5814, 88.0805 by changing the saturation by 10% instead.

41.6981, 56.5814,
88.0805

41.6981, 56.5814,
88.0805

344.2429,
411.8789, 542.1750

29.0550, 40.6693,
65.8250

77.0105, 99.8541,
146.5814

19.2670, 28.0607,
47.6748

100.4106,
127.9835, 183.6638

11.9685, 18.3715,
33.2113

128.1271,
160.9541, 226.5257

6.7943, 11.2170,
22.0159

160.5254,
199.1503, 275.5855

3.3790, 6.2130,
13.6701

197.9707,
242.9565, 331.2618

1.3572, 2.9750,
7.7555

240.8285,

0.2254, 1.1187,

292.7570, 393.9731

3.8534

289.4641,
348.9364, 464.1380

■ 0.0000, 0.0000,
1.5453

■ 0.0000, 0.0000,
0.2513

■ 41.6981, 56.5814,
88.0805

■ 41.6981, 56.5814,
88.0805

■ 39.9832, 54.7419,
87.8169

■ 44.0546, 58.7687,
88.3796


■ 38.8108, 53.1956,
87.5802


■ 47.1236, 61.3369,
88.7135


■ 38.3878, 52.5508,
87.4781


■ 50.9720, 64.3218,
89.0868


■ 55.6578, 67.7532,
89.5022

 61.2334, 71.6583,
89.9621

 67.7467, 76.0619,
90.4688

 75.2424, 80.9870,
91.0243

 83.7621, 86.4551,
91.6308

 87.4449, 89.4450,
92.0138

Harmonies

Analogous

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



39.7659, 56.5814, 63.0889



41.6981, 56.5814, 88.0805



46.8245, 56.5814, 109.4751

Triad

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



41.6981, 56.5814, 88.0805



68.5949, 56.5814, 84.8894



53.2674, 56.5814, 27.1171

Complementary

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



41.6981, 56.5814, 88.0805



38.0113, 23.4481, 6.5273

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.



61.3899, 56.5814, 30.2331



41.6981, 56.5814, 88.0805



70.7489, 56.5814, 60.1496

Square

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



41.6981, 56.5814, 88.0805



62.3658, 56.5814, 107.3331



67.9931, 56.5814, 41.0539



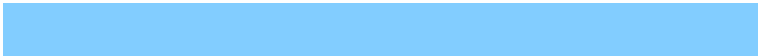
46.0188, 56.5814, 31.1567

Rectangle

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



41.6981, 56.5814, 88.0805



51.6316, 56.5814, 116.6298



67.9931, 56.5814, 41.0539



55.9849, 56.5814, 27.3589

Sweetspot

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



41.6999, 56.5835, 88.0819



74.7014, 86.5933, 107.3847



33.0395, 61.4109, 16.9154



15.4259, 18.1480, 22.9398



0.0000, 0.0000, 0.0000



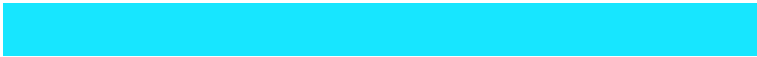
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6999, 56.5835, 88.0819



46.7634, 64.1240, 104.5202



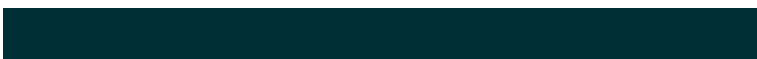
24.7640, 22.7116, 82.4366



15.3724, 16.8312, 19.3608



21.2175, 29.0821, 48.2381



1.7055, 2.3625, 3.8010

Inverse Universe

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



48.6311, 25.8705, 68.0781



55.8608, 27.5970, 77.4158



48.7768, 44.9791, 10.1158



15.6415, 15.2845, 18.6634



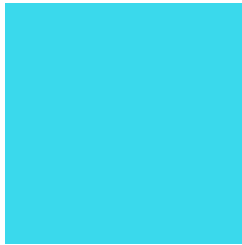
25.5649, 12.4287, 35.1059



2.0274, 0.9839, 2.8615

Previews

White Background



This preview shows how the XYZ color 41.6981, 56.5814, 88.0805 looks on a white background.

Color Contrast Check

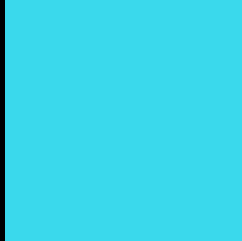
Large Text (above 18pt) WCAG AA × Fail

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 41.6981, 56.5814, 88.0805 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 41.6981, 56.5814, 88.0805

Background



This preview shows how black text looks on a background with the XYZ color 41.6981, 56.5814, 88.0805.

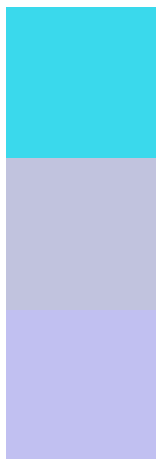


This preview shows how white text looks on a background with the XYZ color 41.6981, 56.5814,

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

41.6981, 56.5814, 88.0805

Protanopia

54.6922, 55.6416, 76.9646

Deuteranopia

56.7191, 55.3876, 90.9205



Tritanopia

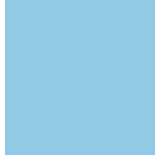
41.4956, 56.4937, 87.3146

Trichromacy



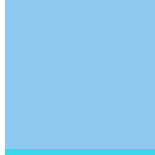
Original Color

41.6981, 56.5814, 88.0805



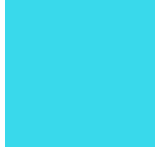
Protanomaly

46.7227, 54.1872, 80.6697



Deuteranomaly

47.9682, 53.9346, 89.5436



Tritanomaly

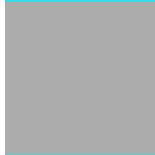
41.4956, 56.4937, 87.3146

Monochromacy



Original Color

41.6981, 56.5814, 88.0805



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.1936, 44.7319, 58.3036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6981, 56.5814, 88.0805 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(58, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 236)  
}
```

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(58, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.6981, 56.5814, 88.0805 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(58, 217, 236) }
```


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

```
.border{ border-color:rgb(58, 217, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(58, 217,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6981, 56.5814, 88.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 236) }
```

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

```
.background{ background-color: rgb(58, 217,  
236) }
```

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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