

Converting Colors

XYZ(43.7888, 58.9395, 87.2920)

Have a look what the booklet for
XYZ(43.7888, 58.9395, 87.2920)
contains.

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Color

**XYZ(43.8130, 58.8468,
87.6466)**

Conversions

Conversions Part 1

Format	Color
Hex	4FDCEB
RGB	79, 220, 235
RGB Percent	31%, 86%, 92%
CMY	0.6902, 0.1372, 0.0784
CMYK	0.66, 0.06, 0.00, 0.08
HSL	186°, 80%, 62%
HSV	186°, 66%, 92%
XYZ	43.8130, 58.8468, 87.6466
YIQ	179.5510, -88.8510, -25.2270

Conversions

Conversions Part 2

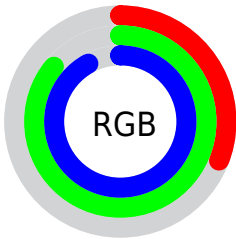
Format	Color
RYB	79, 153, 235
Decimal	5233899
CIELab	81.21, -32.76, -18.45
CIELCh	81, 37.594, 209.387
Yxy	58.8468, 0.2302, 0.3092
Android (android.graphics.Color)	4283423979 (0xFF4FDCEB)
YUV	179.5510, 27.3364, -88.1832
Hunter-Lab	76.7117, -32.2972, -14.0434

Details

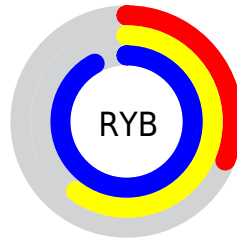
The XYZ color **43.8130, 58.8468, 87.6466** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **39.6763, 26.2337, 10.3712**, and the grayscale version is **43.0364, 45.2776, 49.3074**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **21.5918, 30.1649, 47.3322** is the 20% darker color. If you saturate the color by 10%, you get **41.6042, 56.8349, 87.3758**, and if you desaturate by 10%, it is **46.7241, 61.2351, 87.9552**.

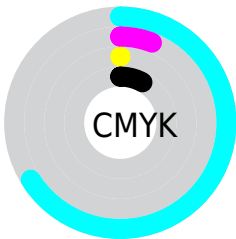
Distribution



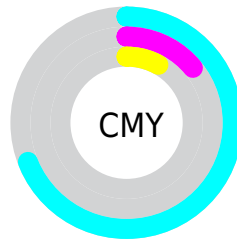
- Red (31%)
- Green (86%)
- Blue (92%)



- Red (31%)
- Yellow (60%)
- Blue (92%)



- Cyan (66%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (69%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8130, 58.8468, 87.6466 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 43.8130, 58.8468, 87.6466 by changing the saturation by 10% instead.

43.8130, 58.8468,
87.6466

43.8130, 58.8468,
87.6466

352.8097,
420.3339, 540.7165

30.7208, 42.4898,
65.4678

80.1844, 103.1550,
145.9719

20.5371, 29.4850,
47.3867

104.1943,
131.8749, 182.9554

12.8966, 19.4480,
32.9849

132.5741,
165.4847, 225.7108

7.4339, 11.9945,
21.8439

165.6892,
204.3686, 274.6568

3.7836, 6.7399,
13.5450

203.9050,
248.9111, 330.2118

1.5805, 3.3000,
7.6698

247.5867,

0.3796, 1.2903,

299.4966, 392.7944

3.7997

297.0999,
356.5094, 462.8231

■ 0.0000, 0.1337,
1.5161

■ 0.0000, 0.0000,
0.2299

■ 43.8130, 58.8468,
87.6466

■ 43.8130, 58.8468,
87.6466

■ 41.6042, 56.8349,
87.3758

■ 46.7241, 61.2351,
87.9552

■ 40.0155, 55.1534,
87.1349


■ 50.3973, 64.0270,
88.3005


■ 38.9530, 53.7549,
86.9210


■ 54.8925, 67.2546,
88.6866


■ 38.6409, 53.2889,
86.8475


■ 60.2619, 70.9449,
89.1159

 66.5534, 75.1226,
89.5907

 73.8114, 79.8108,
90.1131

 82.0774, 85.0307,
90.6849

 86.8331, 88.4533,
91.0949

 87.4954, 89.7778,
91.3157

Harmonies

Analogous

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



42.1880, 58.8468, 63.6143



43.8130, 58.8468, 87.6466



48.6105, 58.8468, 108.8065

Triad

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



43.8130, 58.8468, 87.6466



69.9154, 58.8468, 88.6340



56.0932, 58.8468, 29.9070

Complementary

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



43.8130, 58.8468, 87.6466



39.6763, 26.2337, 10.3712

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.



63.9543, 58.8468, 33.6689



43.8130, 58.8468, 87.6466



72.3775, 58.8468, 64.5362

Square

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



43.8130, 58.8468, 87.6466



63.6500, 58.8468, 109.4639



70.1023, 58.8468, 45.1595



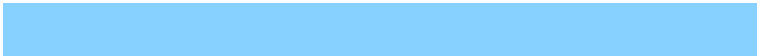
48.8648, 58.8468, 33.3696

Rectangle

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



43.8130, 58.8468, 87.6466



53.2050, 58.8468, 116.4838



70.1023, 58.8468, 45.1595



58.7508, 58.8468, 30.3515

Sweetspot

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



43.8148, 58.8490, 87.6480



77.1675, 88.4886, 107.6206



34.8660, 61.8529, 20.2283



16.0603, 18.6368, 23.0007



0.0000, 0.0000, 0.0000



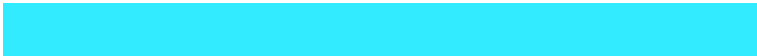
20.3446, 21.4041, 23.3091

Same Dimension

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



43.8148, 58.8490, 87.6480



49.2343, 67.5618, 105.0536



28.1949, 27.6091, 82.4414



15.3867, 16.8598, 19.3656



21.5572, 29.7615, 48.3513



1.7288, 2.4090, 3.8087

Inverse Universe

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



49.9767, 28.4231, 70.5646



57.4751, 29.6482, 81.5835



50.0486, 46.9782, 13.8287



15.6487, 15.2873, 18.7015



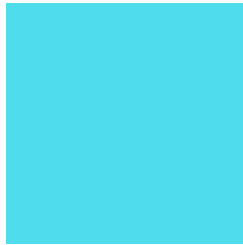
25.7364, 12.4972, 36.0088



2.0391, 0.9886, 2.9233

Previews

White Background



This preview shows how the XYZ color 43.8130, 58.8468, 87.6466 looks on a white background.

Color Contrast Check

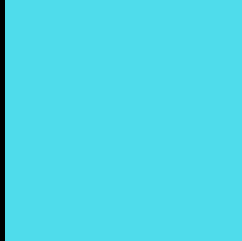
Large Text (above 18pt) WCAG AA × Fail

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 43.8130, 58.8468, 87.6466 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 43.8130, 58.8468, 87.6466

Background



This preview shows how black text looks on a background with the XYZ color 43.8130, 58.8468, 87.6466.

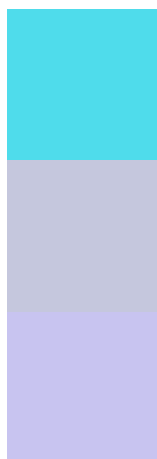


This preview shows how white text looks on a background with the XYZ color 43.8130, 58.8468,

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

43.8130, 58.8468, 87.6466

Protanopia

56.5005, 57.9376, 76.6118

Deuteranopia

59.2875, 58.0505, 90.5182



Tritanopia

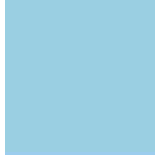
44.1875, 59.0063, 89.1812

Trichromacy



Original Color

43.8130, 58.8468, 87.6466



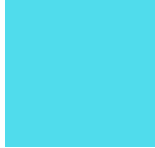
Protanomaly

49.3667, 56.9867, 80.3491



Deuteranomaly

50.9742, 56.9036, 89.1858



Tritanomaly

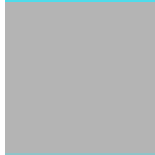
44.0418, 58.9480, 88.4137

Monochromacy



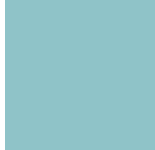
Original Color

43.8130, 58.8468, 87.6466



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.2681, 49.0400, 61.9342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8130, 58.8468, 87.6466 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(79, 220, 235)` looks like.

```
.text, #text, p{  
    color:rgb(79, 220, 235)  
}
```

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(79, 220, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 220, 235) }
```

Border

The CSS property to change the border of an element to XYZ 43.8130, 58.8468, 87.6466 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(79, 220, 235) }
```


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

```
.border{ border-color:rgb(79, 220, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 220, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 220, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 220, 235);  
box-shadow:4px 4px 4px 4px rgb(79, 220,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8130, 58.8468, 87.6466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 220, 235) }
```

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

```
.background{ background-color: rgb(79, 220,  
235) }
```

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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