

Converting Colors

XYZ(46.0356, 63.6273, 86.9458)

Have a look what the booklet for
XYZ(46.0356, 63.6273, 86.9458)
contains.

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Color

**XYZ(46.0356, 63.6273,
86.9458)**

Conversions

Conversions Part 1

Format	Color
Hex	50E5E9
RGB	80, 229, 233
RGB Percent	31%, 90%, 91%
CMY	0.6862, 0.1019, 0.0863
CMYK	0.66, 0.02, 0.00, 0.09
HSL	182°, 78%, 61%
HSV	182°, 66%, 91%
XYZ	46.0356, 63.6273, 86.9458
YIQ	184.9050, -90.0880, -30.3440

Conversions

Conversions Part 2

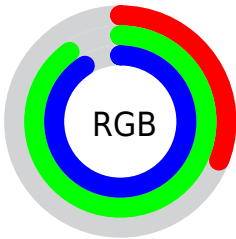
Format	Color
RYB	80, 155, 233
Decimal	5301737
CIELab	83.77, -37.38, -13.53
CIElCh	84, 39.757, 199.896
Yxy	63.6273, 0.2341, 0.3236
Android (android.graphics.Color)	4283491817 (0xFF50E5E9)
YUV	184.9050, 23.7108, -92.0017
Hunter-Lab	79.7667, -36.5744, -8.7894

Details

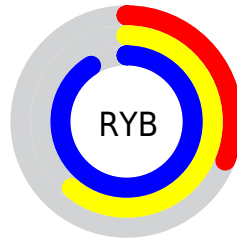
The XYZ color **46.0356, 63.6273, 86.9458** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **38.2240, 24.2451, 10.2564**, and the grayscale version is **45.9718, 48.3660, 52.6705**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **22.8794, 33.0615, 46.7706** is the 20% darker color. If you saturate the color by 10%, you get **44.2311, 62.4488, 86.8146**, and if you desaturate by 10%, it is **48.5264, 65.1633, 87.1122**.

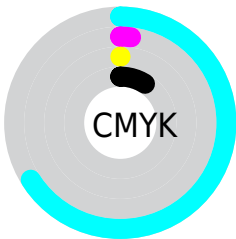
Distribution



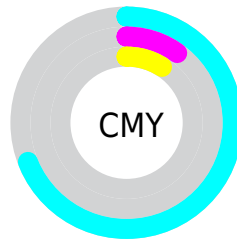
- Red (31%)
- Green (90%)
- Blue (91%)



- Red (31%)
- Yellow (61%)
- Blue (91%)



- Cyan (66%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (69%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0356, 63.6273, 86.9458 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 46.0356, 63.6273, 86.9458 by changing the saturation by 10% instead.

46.0356, 63.6273,
86.9458

46.0356, 63.6273,
86.9458

361.6653,
437.8425, 538.3563

32.4787, 46.3489,
64.8910

83.4998, 110.0740,
144.9868

21.8847, 32.5212,
46.9219

108.1378,
140.0111, 181.8101

13.8883, 21.7599,
32.6200

137.2002,
174.9365, 224.3932

8.1242, 13.6806,
21.5668

171.0523,
215.2347, 273.1548

4.2270, 7.8989,
13.3437

210.0595,
261.2899, 328.5134

1.8313, 4.0303,
7.5321

254.5872,

0.5364, 1.6905,

313.4867, 390.8875

3.7136

305.0006,
372.2095, 460.6956

■ 0.0000, 0.4175,
1.4696

■ 0.0000, 0.0000,
0.1951

■ 46.0356, 63.6273,
86.9458

■ 46.0356, 63.6273,
86.9458

■ 44.2311, 62.4488,
86.8146

■ 48.5264, 65.1633,
87.1122

■ 43.0330, 61.5823,
86.7105


■ 51.7610, 67.0823,
87.3121


■ 42.3522, 60.9834,
86.6308


■ 55.7977, 69.4156,
87.5497


■ 42.1534, 60.7736,
86.6008


■ 60.6872, 72.1894,
87.8274

 66.4762, 75.4278,
88.1473

 73.2079, 79.1531,
88.5116

 80.9227, 83.3861,
88.9220

 85.3354, 85.9176,
89.1781

 85.5089, 86.2647,
89.2359

Harmonies

Analogous

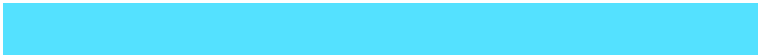
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4206, 63.6273, 61.1891



46.0356, 63.6273, 86.9458



50.3019, 63.6273, 112.8983

Triad

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



46.0356, 63.6273, 86.9458



74.2333, 63.6273, 105.0585



63.4664, 63.6273, 31.9329

Complementary

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



46.0356, 63.6273, 86.9458



38.2240, 24.2451, 10.2564

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.



71.9367, 63.6273, 38.6504



46.0356, 63.6273, 86.9458



78.5368, 63.6273, 78.0529

Square

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



46.0356, 63.6273, 86.9458



66.3652, 63.6273, 124.9752



77.6581, 63.6273, 54.1843



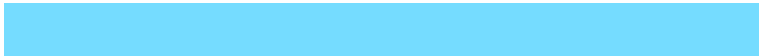
54.9456, 63.6273, 33.2160

Rectangle

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



46.0356, 63.6273, 86.9458



54.8919, 63.6273, 124.8867



77.6581, 63.6273, 54.1843



66.4262, 63.6273, 33.2526

Sweetspot

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



46.0375, 63.6297, 86.9473



78.2881, 90.7299, 107.9942



33.9928, 60.6024, 18.0005



16.3333, 19.1827, 23.0917



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.



46.0375, 63.6297, 86.9473



53.6508, 76.1988, 106.4879



29.5655, 30.6857, 81.4567



15.4820, 17.0504, 19.3973



23.9335, 34.5140, 49.1434



1.8901, 2.7316, 3.8625

Inverse Universe

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



50.6175, 28.7199, 77.0069



59.7522, 30.7422, 93.0097



47.4608, 42.7186, 13.3353



15.6968, 15.3066, 18.9548



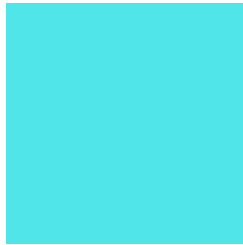
26.9358, 12.9770, 42.3249



2.1205, 1.0212, 3.3520

Previews

White Background



This preview shows how the XYZ color 46.0356, 63.6273, 86.9458 looks on a white background.

Color Contrast Check

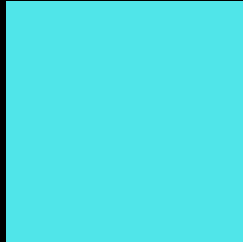
Large Text (above 18pt) WCAG AA × Fail

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 46.0356, 63.6273, 86.9458 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 46.0356, 63.6273, 86.9458

Background



This preview shows how black text looks on a background with the XYZ color 46.0356, 63.6273, 86.9458.

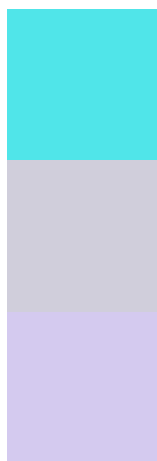


This preview shows how white text looks on a background with the XYZ color 46.0356, 63.6273,

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

46.0356, 63.6273, 86.9458

Protanopia

60.8699, 62.6670, 75.9056

Deuteranopia

63.8519, 62.4701, 90.3539



Tritanopia

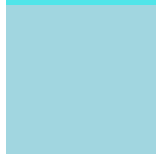
47.7883, 63.5092, 96.1260

Trichromacy



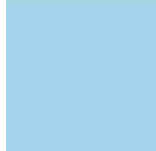
Original Color

46.0356, 63.6273, 86.9458



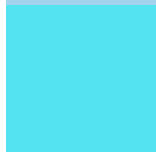
Protanomaly

52.1991, 61.0520, 79.5540



Deuteranomaly

54.1394, 61.0939, 89.0596



Tritanomaly

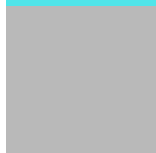
47.2767, 63.7225, 93.0270

Monochromacy



Original Color

46.0356, 63.6273, 86.9458



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.5799, 52.2406, 63.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0356, 63.6273, 86.9458 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, 229, 233)` looks like.

```
.text, #text, p{  
    color:rgb(80, 229, 233)  
}
```

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, 229, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 229, 233) }
```

Border

The CSS property to change the border of an element to XYZ 46.0356, 63.6273, 86.9458 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, 229, 233) }
```


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

```
.border{ border-color:rgb(80, 229, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 229, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 229, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 229, 233);  
box-shadow:4px 4px 4px 4px rgb(80, 229,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0356, 63.6273, 86.9458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 229, 233) }
```

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

```
.background{ background-color: rgb(80, 229,  
233) }
```

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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