

Converting Colors

XYZ(50.8920, 56.7395, 81.7022)

Have a look what the booklet for
XYZ(50.8920, 56.7395, 81.7022)
contains.

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Color

**XYZ(50.9063, 56.6797,
81.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	A4CCE4
RGB	164, 204, 228
RGB Percent	64%, 80%, 89%
CMY	0.3569, 0.2000, 0.1059
CMYK	0.28, 0.11, 0.00, 0.11
HSL	202°, 54%, 77%
HSV	202°, 28%, 89%
XYZ	50.9063, 56.6797, 81.6560
YIQ	194.7760, -31.5440, -1.0160

Conversions

Conversions Part 2

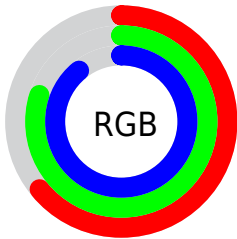
Format	Color
RYB	164, 189, 228
Decimal	10800356
CIELab	80.00, -7.74, -16.19
CIELCh	80, 17.946, 244.458
Yxy	56.6797, 0.2690, 0.2995
Android (android.graphics.Color)	4288990436 (0xFFA4CCE4)
YUV	194.7760, 16.3794, -26.9906
Hunter-Lab	75.2859, -11.0535, -11.6065

Details

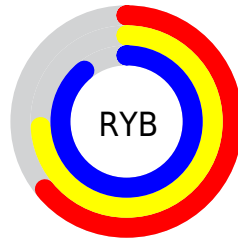
The XYZ color **50.9063, 56.6797, 81.6560** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6797, 55.1412, 42.7793**, and the grayscale version is **51.6590, 54.3493, 59.1863**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **24.8796, 28.1448, 43.6564** is the 20% darker color. If you saturate the color by 10%, you get **44.6399, 50.5163, 80.7976**, and if you desaturate by 10%, it is **58.1312, 63.5056, 82.5937**.

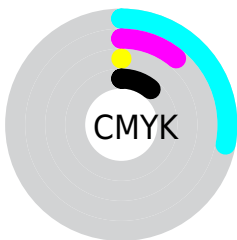
Distribution



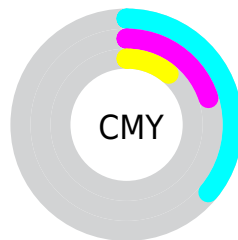
- Red (64%)
- Green (80%)
- Blue (89%)



- Red (64%)
- Yellow (74%)
- Blue (89%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9063, 56.6797, 81.6560 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 50.9063, 56.6797, 81.6560 by changing the saturation by 10% instead.

■ 50.9063, 56.6797,
81.6560

■ 50.9063, 56.6797,
81.6560

380.5933,
412.2480, 520.3495

■ 36.3548, 40.7481,
60.5479

■ 90.7001, 99.9977,
137.5238

■ 24.8797, 28.1223,
43.4322

■ 116.6730,
128.1529, 173.1206

■ 16.1157, 18.4179,
29.8905

147.1839,
161.1514, 214.3840

■ 9.6974, 11.2504,
19.5041

182.5979,
199.3777, 261.7326

■ 5.2595, 6.2355,
11.8546

223.2805,
243.2161, 315.5849

■ 2.4366, 2.9888,
6.5234

269.5970,

■ 0.8634, 1.1259,

293.0510, 376.3595

3.0920

321.9128,
349.2669, 444.4748

■ 0.0000, 0.0000,
1.1418

■ 0.0000, 0.0000,
0.0000

■ 50.9063, 56.6797,
81.6560

■ 50.9063, 56.6797,
81.6560

■ 44.6399, 50.5163,
80.7976

■ 58.1312, 63.5056,
82.5937

■ 39.2800, 44.9818,
80.0118

■ 66.3528, 71.0121,
83.6093

■ 34.7773, 40.0495,
79.2971

■ 75.6136, 79.2250,
84.7064

■ 31.0750, 35.6873,
78.6502

■ 85.8769, 88.1278,
85.8839

■ 28.1092, 31.8595,
78.0677

■ 88.4283, 93.2305,
86.7344

■ 25.8047, 28.5243,
77.5454

■ 91.0038, 98.3815,
87.5928

■ 24.0562, 25.6246,
77.0779

■ 23.7526, 25.0991,
76.9924

Harmonies

Analogous

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



48.2972, 56.6797, 73.7832



50.9063, 56.6797, 81.6560



54.4189, 56.6797, 83.9688

Triad

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



50.9063, 56.6797, 81.6560



61.1668, 56.6797, 60.1675



50.0031, 56.6797, 46.5984

Complementary

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



50.9063, 56.6797, 81.6560



56.6797, 55.1412, 42.7793

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.



53.3294, 56.6797, 43.7869



50.9063, 56.6797, 81.6560



59.8609, 56.6797, 51.0394

Square

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



50.9063, 56.6797, 81.6560



60.4472, 56.6797, 70.7809



56.9514, 56.6797, 45.3167



47.7925, 56.6797, 53.4575

Rectangle

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



50.9063, 56.6797, 81.6560



56.8267, 56.6797, 81.8498



56.9514, 56.6797, 45.3167



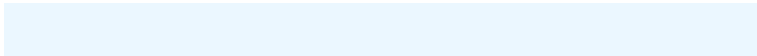
51.0222, 56.6797, 45.1861

Sweetspot

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



50.9080, 56.6820, 81.6573



85.5471, 91.5504, 107.7699



52.0742, 66.9883, 57.4628



17.9490, 19.2696, 23.0233



0.0000, 0.0000, 0.0000



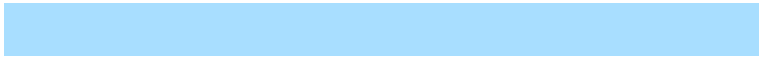
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9080, 56.6820, 81.6573



60.5141, 68.0812, 104.5593



44.1690, 43.2038, 79.4109



14.3296, 15.3805, 18.3578



13.8328, 14.7278, 44.4968



1.1107, 1.2654, 3.3177

Inverse Universe

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



56.1709, 47.4060, 63.3190



68.5487, 54.6764, 76.3930



64.1503, 70.0823, 45.2695



14.7539, 14.5188, 16.9046



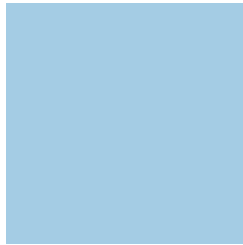
21.3757, 10.6845, 16.1392



1.6243, 0.8074, 1.4280

Previews

White Background



This preview shows how the XYZ color 50.9063, 56.6797, 81.6560 looks on a white background.

Color Contrast Check

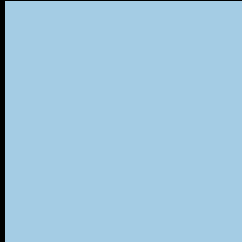
Large Text (above 18pt) WCAG AA × Fail

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 50.9063, 56.6797, 81.6560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

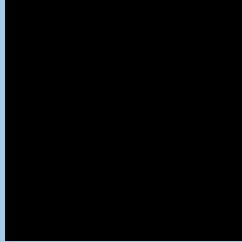
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9063, 56.6797, 81.6560

Background



This preview shows how black text looks on a background with the XYZ color 50.9063, 56.6797, 81.6560.



This preview shows how white text looks on a background with the XYZ color 50.9063, 56.6797,

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

50.9063, 56.6797, 81.6560

Protanopia

55.3073, 56.2769, 77.7596

Deuteranopia

57.7100, 56.4097, 82.7094



Tritanopia

49.9867, 56.6696, 76.7104

Trichromacy



Original Color

50.9063, 56.6797, 81.6560

Protanomaly

53.5425, 56.3504, 79.2889

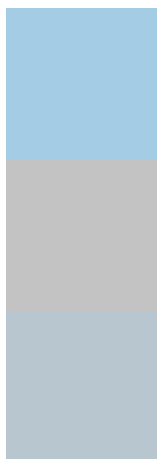
Deuteranomaly

54.8481, 56.2810, 82.1013

Tritanomaly

50.3901, 56.8310, 78.8346

Monochromacy



Original Color

50.9063, 56.6797, 81.6560

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.2237, 55.0835, 66.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9063, 56.6797, 81.6560 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(164, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(164, 204, 228)  
}
```

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(164, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 204, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.9063, 56.6797, 81.6560 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(164, 204, 228) }
```


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

```
.border{ border-color:rgb(164, 204, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 204, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 204, 228); box-shadow:4px 4px 4px 4px rgb(164, 204, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9063, 56.6797, 81.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 204, 228) }
```

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

```
.background{ background-color: rgb(164,  
204, 228) }
```

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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