

Converting Colors

XYZ(52.2706, 58.0023, 83.2300)

Have a look what the booklet for
XYZ(52.2706, 58.0023, 83.2300)
contains.

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Color

**XYZ(52.2906, 58.0713,
83.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	A7CEE6
RGB	167, 206, 230
RGB Percent	65%, 81%, 90%
CMY	0.3451, 0.1921, 0.0980
CMYK	0.27, 0.10, 0.00, 0.10
HSL	203°, 56%, 78%
HSV	203°, 27%, 90%
XYZ	52.2906, 58.0713, 83.3158
YIQ	197.0750, -30.9480, -0.8040

Conversions

Conversions Part 2

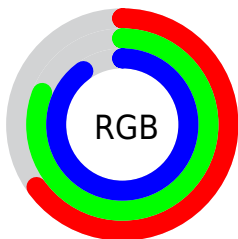
Format	Color
RYB	167, 191, 230
Decimal	10997478
CIELab	80.78, -7.45, -16.07
CIElCh	81, 17.713, 245.131
Yxy	58.0713, 0.2700, 0.2998
Android (android.graphics.Color)	4289187558 (0xFFA7CEE6)
YUV	197.0750, 16.2320, -26.3758
Hunter-Lab	76.2045, -10.8734, -11.4797

Details

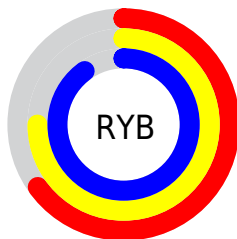
The XYZ color **52.2906, 58.0713, 83.3158** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2397, 56.8751, 44.4691**, and the grayscale version is **53.0361, 55.7981, 60.7642**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **25.6783, 29.0232, 44.2930** is the 20% darker color. If you saturate the color by 10%, you get **45.8067, 51.6857, 82.4260**, and if you desaturate by 10%, it is **59.7598, 65.1422, 84.2879**.

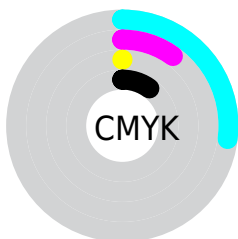
Distribution



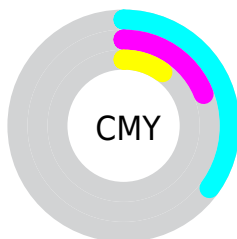
- Red (65%)
- Green (81%)
- Blue (90%)



- Red (65%)
- Yellow (75%)
- Blue (90%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (35%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2906, 58.0713, 83.3158 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 52.2906, 58.0713, 83.3158 by changing the saturation by 10% instead.

■ 52.2906, 58.0713,
83.3158

■ 52.2906, 58.0713,
83.3158

385.8630,
417.4516, 526.0369

■ 37.4620, 41.8660,
61.9086

■ 92.7314, 102.0267,
139.8709

■ 25.7407, 28.9964,
44.5235

■ 119.0742,
130.5455, 175.8558

■ 16.7614, 19.0781,
30.7421

149.9858,
163.9377, 217.5370

■ 10.1588, 11.7267,
20.1457

185.8316,
202.5875, 265.3331

■ 5.5674, 6.5579,
12.3159

226.9768,
246.8794, 319.6626

■ 2.6220, 3.1872,
6.8340

273.7869,

■ 0.9572, 1.2302,

297.1978, 380.9441

3.2817

326.6272,
353.9270, 449.5960

■ 0.0000, 0.0862,
1.2402

■ 0.0000, 0.0000,
0.0120

■ 52.2906, 58.0713,
83.3158

■ 52.2906, 58.0713,
83.3158

■ 45.8067, 51.6857,
82.4260

■ 59.7598, 65.1422,
84.2879

■ 40.2549, 45.9510,
81.6117

■ 68.2532, 72.9170,
85.3410

■ 35.5853, 40.8398,
80.8712

■ 77.8140, 81.4220,
86.4787

■ 31.7402, 36.3196,
80.2014

■ 86.9929, 89.9127,
87.6338

■ 28.6547, 32.3539,
79.5986

■ 89.6497, 95.2264,
88.5194

■ 26.2528, 28.9002,
79.0585

■ 91.2831, 98.4932,
89.0639

■ 24.4342, 25.9038,
78.5760

■ 24.0142, 25.1753,
78.4575

Harmonies

Analogous

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



49.6420, 58.0713, 75.5401



52.2906, 58.0713, 83.3158



55.8263, 58.0713, 85.4815

Triad

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



52.2906, 58.0713, 83.3158



62.4985, 58.0713, 61.4457



51.2469, 58.0713, 48.1494

Complementary

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



52.2906, 58.0713, 83.3158



58.2397, 56.8751, 44.4691

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.



54.5685, 58.0713, 45.2193



52.2906, 58.0713, 83.3158



61.1475, 58.0713, 52.3353

Square

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



52.2906, 58.0713, 83.3158



61.8233, 58.0713, 72.0818



58.2051, 58.0713, 46.6631



49.0583, 58.0713, 55.1338

Rectangle

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



52.2906, 58.0713, 83.3158



58.2354, 58.0713, 83.2689



58.2051, 58.0713, 46.6631



52.2624, 58.0713, 46.6950

Sweetspot

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



52.2924, 58.0736, 83.3171



85.5099, 91.4760, 107.7575



53.5396, 68.5324, 59.1801



17.9396, 19.2509, 23.0202



0.0000, 0.0000, 0.0000



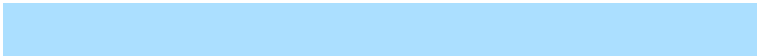
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2924, 58.0736, 83.3171



61.1851, 68.6074, 104.6255



45.6286, 44.7460, 81.0959



14.3222, 15.3657, 18.3554



13.7169, 14.4958, 44.4582



1.1026, 1.2492, 3.3150

Inverse Universe

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



57.5939, 48.9182, 64.8017



69.0865, 55.6540, 76.8747



65.6245, 71.6445, 46.9306



14.7502, 14.5173, 16.8850



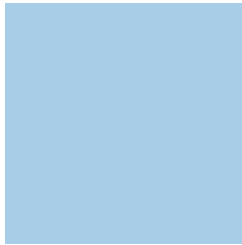
21.3171, 10.6611, 15.8309



1.6202, 0.8058, 1.4064

Previews

White Background



This preview shows how the XYZ color 52.2906, 58.0713, 83.3158 looks on a white background.

Color Contrast Check

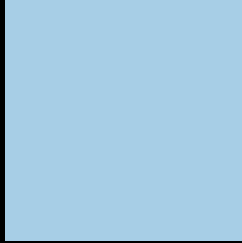
Large Text (above 18pt) WCAG AA × Fail

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 52.2906, 58.0713, 83.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

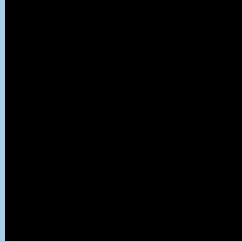
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2906, 58.0713, 83.3158

Background



This preview shows how black text looks on a background with the XYZ color 52.2906, 58.0713, 83.3158.



This preview shows how white text looks on a background with the XYZ color 52.2906, 58.0713,

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

52.2906, 58.0713, 83.3158

Protanopia

56.7790, 58.0189, 79.4403

Deuteranopia

58.9824, 57.6938, 84.3712



Tritanopia

51.4933, 58.1145, 79.0242

Trichromacy



Original Color

52.2906, 58.0713, 83.3158

Protanomaly

54.9932, 58.1014, 80.9893

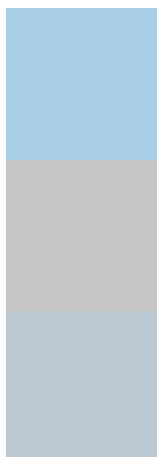
Deuteranomaly

56.3331, 57.6927, 83.7680

Tritanomaly

51.7662, 58.2236, 80.4614

Monochromacy



Original Color

52.2906, 58.0713, 83.3158

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.4126, 56.3511, 68.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2906, 58.0713, 83.3158 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(167, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(167, 206, 230)  
}
```

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(167, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 206, 230) }
```

Border

The CSS property to change the border of an element to XYZ 52.2906, 58.0713, 83.3158 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(167, 206, 230) }
```


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

```
.border{ border-color:rgb(167, 206, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 206, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(167, 206,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2906, 58.0713, 83.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 206, 230) }
```

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

```
.background{ background-color: rgb(167,  
206, 230) }
```

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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