

Converting Colors

XYZ(52.1926, 56.6813, 86.0183)

Have a look what the booklet for
XYZ(52.1926, 56.6813, 86.0183)
contains.

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Color

**XYZ(52.1203, 56.5064,
86.0017)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CAEA
RGB	168, 202, 234
RGB Percent	66%, 79%, 92%
CMY	0.3412, 0.2078, 0.0823
CMYK	0.28, 0.14, 0.00, 0.08
HSL	209°, 61%, 79%
HSV	209°, 28%, 92%
XYZ	52.1203, 56.5064, 86.0017
YIQ	195.4820, -30.5360, 2.7440

Conversions

Conversions Part 2

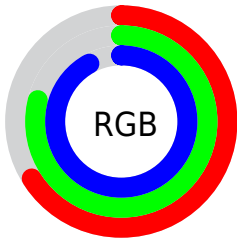
Format	Color
R _{YB}	168, 190, 234
Decimal	11061994
CIE Lab	79.90, -4.11, -19.53
CIE LCh	80, 19.957, 258.106
Yxy	56.5064, 0.2678, 0.2903
Android (android.graphics.Color)	4289252074 (0xFFA8CAEA)
YUV	195.4820, 18.9894, -24.1017
Hunter-Lab	75.1707, -7.7842, -15.2133

Details

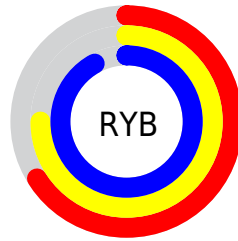
The XYZ color **52.1203, 56.5064, 86.0017** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6547, 61.6288, 45.6934**, and the grayscale version is **52.0639, 54.7753, 59.6503**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **25.5652, 27.9716, 46.1711** is the 20% darker color. If you saturate the color by 10%, you get **45.0152, 49.0373, 84.9355**, and if you desaturate by 10%, it is **60.3210, 64.8335, 87.1777**.

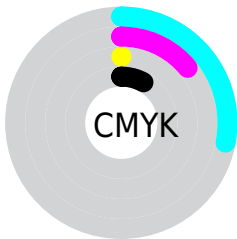
Distribution



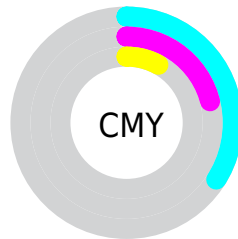
- Red (66%)
- Green (79%)
- Blue (92%)



- Red (66%)
- Yellow (75%)
- Blue (92%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1203, 56.5064, 86.0017 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 52.1203, 56.5064, 86.0017 by changing the saturation by 10% instead.

■ 52.1203, 56.5064,
86.0017

■ 52.1203, 56.5064,
86.0017

385.2172,
411.5971, 535.1676

■ 37.3256, 40.6091,
64.1145

■ 92.4818, 99.7446,
143.6584

■ 25.6345, 28.0138,
46.2966

■ 118.7794,
127.8543, 180.2650

■ 16.6817, 18.3360,
32.1296

149.6419,
160.8035, 222.6151

■ 10.1017, 11.1915,
21.1949

185.4348,
198.9767, 271.1273

■ 5.5292, 6.1958,
13.0739

226.5235,
242.7583, 326.2201

■ 2.5989, 2.9645,
7.3481

273.2732,

■ 0.9454, 1.1132,

292.5326, 388.3121

3.5990

326.0493,
348.6841, 457.8217

■ 0.0000, 0.0000,
1.4081

■ 0.0000, 0.0000,
0.1480

■ 52.1203, 56.5064,
86.0017

■ 52.1203, 56.5064,
86.0017

■ 45.0152, 49.0373,
84.9355

■ 60.3210, 64.8335,
87.1777

■ 38.9482, 42.3864,
83.9715

■ 69.6606, 74.0429,
88.4631

■ 33.8641, 36.5201,
83.1071

■ 80.1864, 84.1662,
89.8623

■ 29.7001, 31.3994,
82.3382

■ 89.4697, 93.9570,
91.2628

■ 26.3849, 26.9807,
81.6600

■ 91.8515, 98.7206,
92.0568

■ 23.8356, 23.2139,
81.0673

■ 21.9362, 20.0319,
80.5532

■ 21.6345, 19.5066,
80.4678

Harmonies

Analogous

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



48.6789, 56.5064, 79.6438



52.1203, 56.5064, 86.0017



56.1616, 56.5064, 85.2229

Triad

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



52.1203, 56.5064, 86.0017



61.4458, 56.5064, 54.8588



48.1228, 56.5064, 47.8163

Complementary

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



52.1203, 56.5064, 86.0017



61.6547, 61.6288, 45.6934

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.



51.3262, 56.5064, 42.6872



52.1203, 56.5064, 86.0017



59.0713, 56.5064, 46.3878

Square

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



52.1203, 56.5064, 86.0017



61.6848, 56.5064, 66.2326



55.3269, 56.5064, 42.1994



46.4497, 56.5064, 57.0476

Rectangle

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



52.1203, 56.5064, 86.0017



58.6526, 56.5064, 80.7734



55.3269, 56.5064, 42.1994



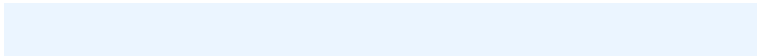
49.0488, 56.5064, 45.6081

Sweetspot

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



52.1221, 56.5087, 86.0030



84.8646, 90.1853, 107.5424



55.9862, 71.3371, 65.4024



17.7770, 18.9256, 22.9660



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.



52.1221, 56.5087, 86.0030



58.0480, 63.1491, 103.7373



45.2078, 42.6802, 83.6982



14.8730, 15.8324, 19.1943



12.2839, 11.2149, 45.2602



1.0609, 1.0732, 3.5861

Inverse Universe

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



58.5965, 49.7636, 62.3965



67.3040, 54.1785, 69.8382



70.1113, 78.5419, 48.5122



15.3894, 15.1836, 17.3361



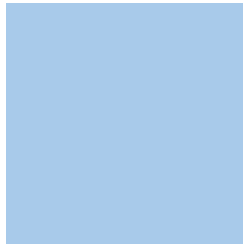
21.0557, 10.6250, 11.3604



1.7020, 0.8538, 1.1480

Previews

White Background



This preview shows how the XYZ color 52.1203, 56.5064, 86.0017 looks on a white background.

Color Contrast Check

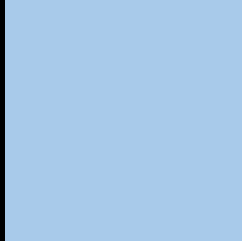
Large Text (above 18pt) WCAG AA × Fail

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 52.1203, 56.5064, 86.0017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

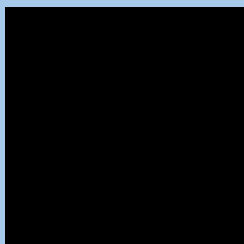
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

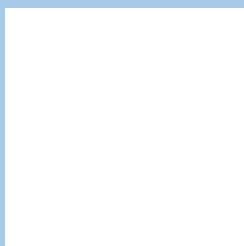
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1203, 56.5064, 86.0017

Background



This preview shows how black text looks on a background with the XYZ color 52.1203, 56.5064, 86.0017.



This preview shows how white text looks on a background with the XYZ color 52.1203, 56.5064,

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

52.1203, 56.5064, 86.0017

Protanopia

55.5087, 56.2694, 82.7984

Deuteranopia

57.4990, 56.2018, 87.1744



Tritanopia

50.1611, 56.4055, 76.6502

Trichromacy



Original Color

52.1203, 56.5064, 86.0017

Protanomaly

54.1463, 56.2250, 83.6000

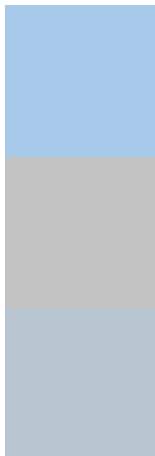
Deuteranomaly

55.2288, 56.0428, 86.5037

Tritanomaly

50.8093, 56.3098, 80.1425

Monochromacy



Original Color

52.1203, 56.5064, 86.0017

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.7103, 55.3059, 68.2713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1203, 56.5064, 86.0017 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(168, 202, 234)` looks like.

```
.text, #text, p{  
    color:rgb(168, 202, 234)  
}
```

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(168, 202, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 202, 234) }
```

Border

The CSS property to change the border of an element to XYZ 52.1203, 56.5064, 86.0017 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(168, 202, 234) }
```


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

```
.border{ border-color:rgb(168, 202, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 202, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 202, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 202, 234);  
box-shadow:4px 4px 4px 4px rgb(168, 202,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1203, 56.5064, 86.0017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 202, 234) }
```

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

```
.background{ background-color: rgb(168,  
202, 234) }
```

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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