

Converting Colors

XYZ(56.2678, 62.0123, 84.0318)

Have a look what the booklet for
XYZ(56.2678, 62.0123, 84.0318)
contains.

XYZ(56.1676, 61.8854, 83.8476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.1676, 61.8854,
83.8476)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D3E6
RGB	179, 211, 230
RGB Percent	70%, 83%, 90%
CMY	0.2980, 0.1725, 0.0980
CMYK	0.22, 0.08, 0.00, 0.10
HSL	202°, 50%, 80%
HSV	202°, 22%, 90%
XYZ	56.1676, 61.8854, 83.8476
YIQ	203.5980, -25.1710, -0.8750

Conversions

Conversions Part 2

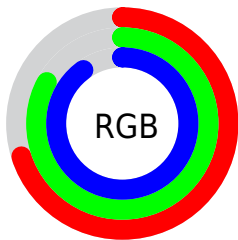
Format	Color
RYB	179, 199, 230
Decimal	11785190
CIELab	82.85, -6.50, -12.88
CIELCh	83, 14.432, 243.214
Yxy	61.8854, 0.2782, 0.3065
Android (android.graphics.Color)	4289975270 (0xFFB3D3E6)
YUV	203.5980, 13.0162, -21.5724
Hunter-Lab	78.6673, -10.2206, -8.1272

Details

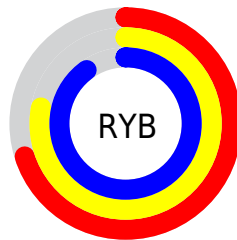
The XYZ color **56.1676, 61.8854, 83.8476** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.9645, 60.4660, 51.1072**, and the grayscale version is **57.0743, 60.0466, 65.3907**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **28.1544, 31.5299, 44.6464** is the 20% darker color. If you saturate the color by 10%, you get **49.2170, 55.2277, 82.9299**, and if you desaturate by 10%, it is **64.1220, 69.2321, 84.8474**.

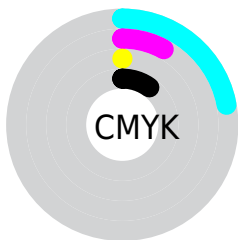
Distribution



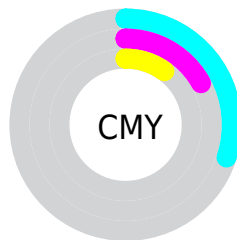
- Red (70%)
- Green (83%)
- Blue (90%)



- Red (70%)
- Yellow (78%)
- Blue (90%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)



- Cyan (30%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1676, 61.8854, 83.8476 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 56.1676, 61.8854, 83.8476 by changing the saturation by 10% instead.

■ 56.1676, 61.8854,
83.8476

■ 56.1676, 61.8854,
83.8476

400.3876,
431.5129, 527.8518

■ 40.5748, 44.9401,
62.3450

■ 98.3880, 107.5599,
140.6218

■ 28.1732, 31.4103,
44.8739

125.7463,
137.0579, 176.7304

■ 18.5974, 20.9114,
31.0159

157.7572,
171.5089, 218.5448

■ 11.4820, 13.0593,
20.3524

194.7860,
211.2973, 266.4835

■ 6.4617, 7.4694,
12.4648

237.1981,
256.8075, 320.9650

■ 3.1711, 3.7573,
6.9347

285.3588,

■ 1.2449, 1.5388,

308.4239, 382.4078

3.3435

339.6335,
366.5309, 451.2306

■ 0.1414, 0.3158,
1.2726

■ 0.0000, 0.0000,
0.0392

■ 56.1676, 61.8854,
83.8476

■ 56.1676, 61.8854,
83.8476

■ 49.2170, 55.2277,
82.9299

■ 64.1220, 69.2321,
84.8474

■ 43.2190, 49.2253,
82.0874

■ 73.1171, 77.2848,
85.9277

■ 38.1259, 43.8526,
81.3188

■ 83.1950, 86.0691,
87.0920

■ 33.8834, 39.0789,
80.6210

■ 88.2587, 92.4443,
88.0557

■ 30.4310, 34.8700,
79.9906

■ 90.9149, 97.7567,
88.9411

■ 27.6990, 31.1874,
79.4238

■ 91.2831, 98.4932,
89.0639

■ 25.6042, 27.9851,
78.9161

■ 24.3057, 25.7585,
78.5547

Harmonies

Analogous

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



53.9601, 61.8854, 77.2008



56.1676, 61.8854, 83.8476



59.1560, 61.8854, 85.9588

Triad

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



56.1676, 61.8854, 83.8476



64.9918, 61.8854, 66.4274



55.6066, 61.8854, 54.0524

Complementary

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



56.1676, 61.8854, 83.8476



60.9645, 60.4660, 51.1072

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.



58.4857, 61.8854, 51.6964



56.1676, 61.8854, 83.8476



63.9637, 61.8854, 58.4344

Square

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



56.1676, 61.8854, 83.8476



64.3188, 61.8854, 75.3948



61.5551, 61.8854, 53.2280



53.6443, 61.8854, 59.9593

Rectangle

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



56.1676, 61.8854, 83.8476



61.2077, 61.8854, 84.3703



61.5551, 61.8854, 53.2280



56.4956, 61.8854, 52.8436

Sweetspot

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



56.1695, 61.8879, 83.8490



86.7005, 92.6011, 107.9119



57.0469, 70.2419, 63.7975



18.4101, 19.6884, 23.0799



0.0000, 0.0000, 0.0000



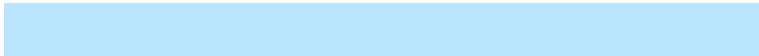
20.3446, 21.4041, 23.3091

Same Dimension

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



56.1695, 61.8879, 83.8490



66.4533, 73.9122, 105.3718



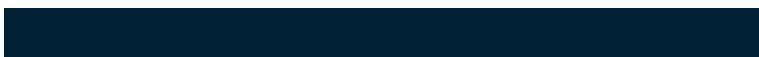
50.3915, 50.3319, 81.9230



14.3326, 15.3867, 18.3588



13.8813, 14.8247, 44.5130



1.1141, 1.2722, 3.3188

Inverse Universe

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



60.5126, 53.7678, 68.8197



73.0228, 62.1179, 82.5289



67.2121, 72.9611, 53.1897



14.7555, 14.5194, 16.9128



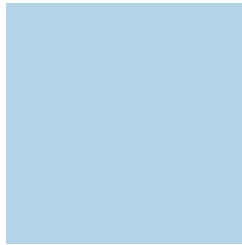
21.4001, 10.6943, 16.2680



1.6260, 0.8081, 1.4370

Previews

White Background



This preview shows how the XYZ color 56.1676, 61.8854, 83.8476 looks on a white background.

Color Contrast Check

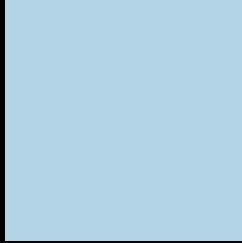
Large Text (above 18pt) WCAG AA × Fail

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 56.1676, 61.8854, 83.8476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

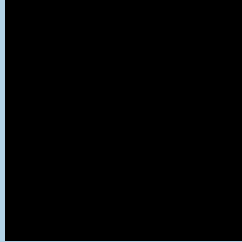
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

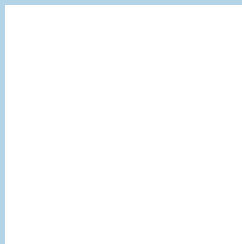
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1676, 61.8854, 83.8476

Background



This preview shows how black text looks on a background with the XYZ color 56.1676, 61.8854, 83.8476.



This preview shows how white text looks on a background with the XYZ color 56.1676, 61.8854,

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

56.1676, 61.8854, 83.8476

Protanopia

60.2222, 61.5141, 80.6509

Deuteranopia

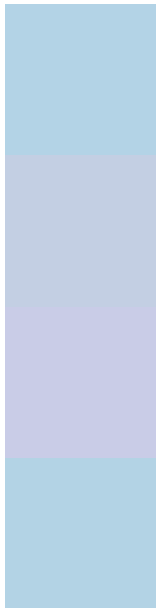
62.9513, 61.4309, 84.8834



Tritanopia

55.8883, 61.7737, 82.3767

Trichromacy



Original Color

56.1676, 61.8854, 83.8476

Protanomaly

58.6836, 61.7738, 81.5036

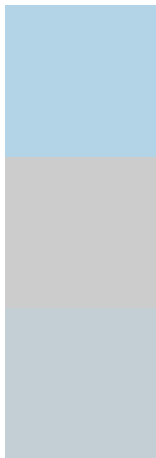
Deuteranomaly

60.1041, 61.3728, 84.2796

Tritanomaly

56.0275, 61.8294, 83.1100

Monochromacy



Original Color

56.1676, 61.8854, 83.8476

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.8287, 61.0318, 71.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1676, 61.8854, 83.8476 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(179, 211, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 211, 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(179, 211, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 211, 230) }
```

Border

The CSS property to change the border of an element to XYZ 56.1676, 61.8854, 83.8476 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(179, 211, 230) }
```


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

```
.border{ border-color:rgb(179, 211, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 211, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 211, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 211, 230);  
box-shadow:4px 4px 4px 4px rgb(179, 211,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1676, 61.8854, 83.8476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 211, 230) }
```

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

```
.background{ background-color: rgb(179,  
211, 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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