

Converting Colors

XYZ(58.4943, 68.5556, 78.9889)

Have a look what the booklet for
XYZ(58.4943, 68.5556, 78.9889)
contains.

XYZ(58.4701, 68.5893, 79.2646)	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(58.4701, 68.5893,
79.2646)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E1DE
RGB	178, 225, 222
RGB Percent	70%, 88%, 87%
CMY	0.3020, 0.1176, 0.1294
CMYK	0.21, 0.00, 0.01, 0.12
HSL	176°, 44%, 79%
HSV	176°, 21%, 88%
XYZ	58.4701, 68.5893, 79.2646
YIQ	210.6050, -27.0490, -10.8970

Conversions

Conversions Part 2

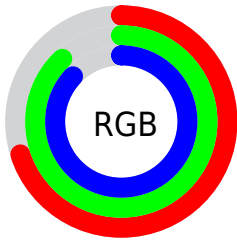
Format	Color
RYB	178, 202, 225
Decimal	11723230
CIELab	86.30, -15.71, -3.54
CIELCh	86, 16.102, 192.687
Yxy	68.5893, 0.2834, 0.3324
Android (android.graphics.Color)	4289913310 (0xFFB2E1DE)
YUV	210.6050, 5.6177, -28.5946
Hunter-Lab	82.8187, -18.9114, 1.2274

Details

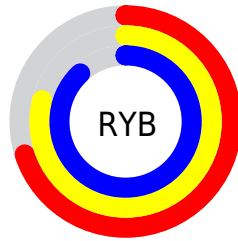
The XYZ color **58.4701, 68.5893, 79.2646** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.3146, 51.1864, 50.6834**, and the grayscale version is **61.6348, 64.8447, 70.6158**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **29.6620, 35.8246, 41.9107** is the 20% darker color. If you saturate the color by 10%, you get **53.5336, 66.0684, 78.0334**, and if you desaturate by 10%, it is **64.2589, 71.5530, 80.5471**.

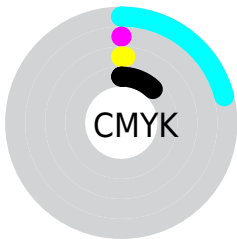
Distribution



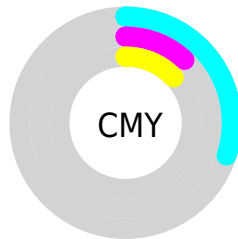
- Red (70%)
- Green (88%)
- Blue (87%)



- Red (70%)
- Yellow (79%)
- Blue (88%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (30%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4701, 68.5893, 79.2646 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 58.4701, 68.5893, 79.2646 by changing the saturation by 10% instead.

■ 58.4701, 68.5893,
79.2646

■ 58.4701, 68.5893,
79.2646

408.8610,
455.5811, 512.0923

■ 42.4314, 50.3773,
58.5908

■ 101.7262,
117.1948, 134.1333

■ 29.6318, 35.7133,
41.8659

129.6742,
148.3571, 169.1653

■ 19.7060, 24.2128,
28.6716

162.3228,
184.6049, 209.8205

■ 12.2885, 15.4916,
18.5891

200.0373,
226.3227, 256.5173

■ 7.0141, 9.1651,
11.1999

243.1830,
273.8948, 309.6744

■ 3.5173, 4.8490,
6.0856

292.1253,

■ 1.4329, 2.1590,

327.7056, 369.7102

2.8276

347.2295,
388.1396, 437.0433

■ 0.2795, 0.6975,
1.0073

■ 0.0000, 0.0000,
0.0000

■ 58.4701, 68.5893,
79.2646

■ 58.4701, 68.5893,
79.2646

■ 53.5336, 66.0684,
78.0334

■ 64.2589, 71.5530,
80.5471

■ 49.4024, 63.9607,
76.8471


■ 70.9326, 74.9708,
81.8782


■ 46.0336, 62.2458,
75.7049


■ 78.5292, 78.8643,
83.2611


■ 43.3782, 60.8985,
74.6047


■ 82.1356, 80.7005,
84.4659


 41.3815, 59.8905,
73.5437


 82.3357, 80.7806,
85.5200


 39.9808, 59.1897,
72.5192


 82.5375, 80.8613,
86.5828

 39.1011, 58.7572,
71.5274

 82.7410, 80.9427,
87.6544

 38.6379, 58.5374,
70.6471

 82.9462, 81.0248,
88.7347

 83.1530, 81.1075,
89.8239

Harmonies

Analogous

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



58.6090, 68.5893, 68.7592



58.4701, 68.5893, 79.2646



60.0821, 68.5893, 89.4249

Triad

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



58.4701, 68.5893, 79.2646



70.1548, 68.5893, 90.7479



67.3406, 68.5893, 56.8082

Complementary

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



58.4701, 68.5893, 79.2646



55.3146, 51.1864, 50.6834

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.



70.5838, 68.5893, 61.6558



58.4701, 68.5893, 79.2646



72.2505, 68.5893, 80.9357

Square

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



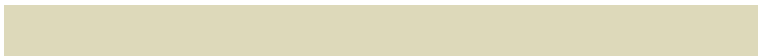
58.4701, 68.5893, 79.2646



66.7731, 68.5893, 96.4655



72.4104, 68.5893, 70.2797



63.6362, 68.5893, 56.4528

Rectangle

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



58.4701, 68.5893, 79.2646



61.9697, 68.5893, 94.3686



72.4104, 68.5893, 70.2797



68.5242, 68.5893, 57.9436

Sweetspot

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



58.4721, 68.5921, 79.2661



89.4864, 97.1500, 107.8202



54.0505, 66.9075, 52.1864



19.0298, 20.7306, 23.0531



0.0000, 0.0000, 0.0000



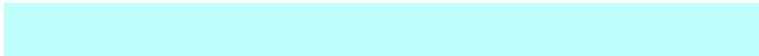
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4721, 68.5921, 79.2661



74.7099, 89.5892, 104.5614



53.6964, 58.3908, 79.6778



14.0768, 15.5564, 17.4396



22.2806, 33.7371, 40.7961



1.5560, 2.3431, 2.8888

Inverse Universe

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



55.3146, 51.1864, 50.6834



69.8123, 62.5855, 60.2221



59.3676, 59.7802, 50.5304



13.7426, 13.7147, 14.4146



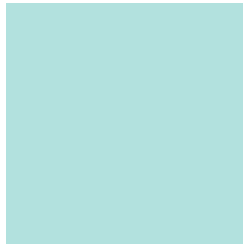
17.9550, 9.2490, 1.1629



1.2572, 0.6462, 0.1473

Previews

White Background



This preview shows how the XYZ color 58.4701, 68.5893, 79.2646 looks on a white background.

Color Contrast Check

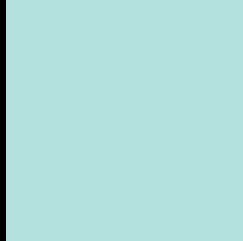
Large Text (above 18pt) WCAG AA × Fail

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 58.4701, 68.5893, 79.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

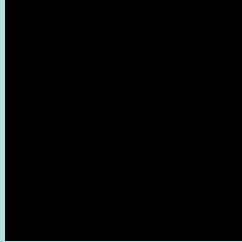
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

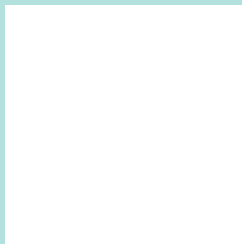
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4701, 68.5893, 79.2646

Background



This preview shows how black text looks on a background with the XYZ color 58.4701, 68.5893, 79.2646.



This preview shows how white text looks on a background with the XYZ color 58.4701, 68.5893,

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

58.4701, 68.5893, 79.2646

Protanopia

65.6547, 68.1111, 74.6521

Deuteranopia

69.6698, 68.1930, 80.7247



Tritanopia

61.1409, 68.4789, 92.4334

Trichromacy



Original Color

58.4701, 68.5893, 79.2646

Protanomaly

62.6281, 68.0421, 76.1623

Deuteranomaly

64.9064, 67.9797, 80.2215

Tritanomaly

60.1517, 68.4823, 87.1389

Monochromacy



Original Color

58.4701, 68.5893, 79.2646

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.3748, 66.1601, 73.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4701, 68.5893, 79.2646 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(178, 225, 222)` looks like.

```
.text, #text, p{  
    color:rgb(178, 225, 222)  
}
```

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(178, 225, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 225, 222) }
```

Border

The CSS property to change the border of an element to XYZ 58.4701, 68.5893, 79.2646 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(178, 225, 222) }
```


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

```
.border{ border-color:rgb(178, 225, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 225, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 225, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 225, 222);  
box-shadow:4px 4px 4px 4px rgb(178, 225,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4701, 68.5893, 79.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 225, 222) }
```

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

```
.background{ background-color: rgb(178,  
225, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor