

Converting Colors

XYZ(51.8061, 58.1659, 78.3075)

Have a look what the booklet for
XYZ(51.8061, 58.1659, 78.3075)
contains.

XYZ(51.9943, 58.3884, 78.3417)	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(51.9943, 58.3884,
78.3417)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CFDF
RGB	169, 207, 223
RGB Percent	66%, 81%, 87%
CMY	0.3372, 0.1882, 0.1255
CMYK	0.24, 0.07, 0.00, 0.13
HSL	198°, 46%, 77%
HSV	198°, 24%, 87%
XYZ	51.9943, 58.3884, 78.3417
YIQ	197.4620, -27.7840, -3.0800

Conversions

Conversions Part 2

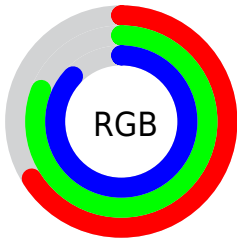
Format	Color
R_{YB}	169, 191, 223
Decimal	11128799
CIE _{Lab}	80.95, -8.98, -12.05
CIE _{LCh}	81, 15.031, 233.304
Yxy	58.3884, 0.2755, 0.3094
Android (android.graphics.Color)	4289318879 (0xFFA9CFDF)
YUV	197.4620, 12.5902, -24.9612
Hunter-Lab	76.4123, -12.2623, -7.2985

Details

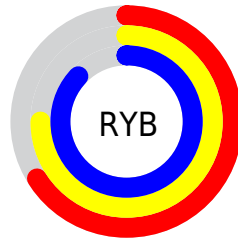
The XYZ color **51.9943, 58.3884, 78.3417** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9424, 53.2507, 44.9201**, and the grayscale version is **53.2899, 56.0651, 61.0549**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **25.6616, 29.3226, 41.3531** is the 20% darker color. If you saturate the color by 10%, you get **46.0453, 52.9964, 77.6154**, and if you desaturate by 10%, it is **58.8297, 64.3397, 79.1311**.

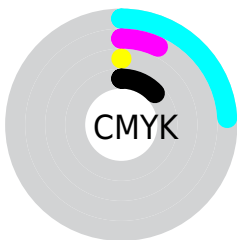
Distribution



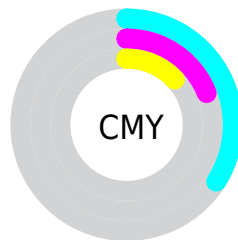
- Red (66%)
- Green (81%)
- Blue (87%)



- Red (66%)
- Yellow (75%)
- Blue (87%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9943, 58.3884, 78.3417 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 51.9943, 58.3884, 78.3417 by changing the saturation by 10% instead.

■ 51.9943, 58.3884,
78.3417

■ 51.9943, 58.3884,
78.3417

384.7389,
418.6316, 508.8851

■ 37.2248, 42.1210,
57.8366

■ 92.2971, 102.4882,
132.8219

■ 25.5561, 29.1960,
41.2635

118.5611,
131.0895, 167.6342

■ 16.6227, 19.2292,
28.2038

149.3873,
164.5707, 208.0525

■ 10.0595, 11.8360,
18.2389

185.1411,
203.3164, 254.4956

■ 5.5010, 6.6321,
10.9505

226.1878,
247.7110, 307.3818

■ 2.5819, 3.2331,
5.9198

272.8928,

■ 0.9367, 1.2546,

298.1388, 367.1298

2.7284

325.6213,
354.9842, 434.1580

■ 0.0000, 0.1056,
0.9577

■ 0.0000, 0.0000,
0.0000

■ 51.9943, 58.3884,
78.3417

■ 51.9943, 58.3884,
78.3417

■ 46.0453, 52.9964,
77.6154

■ 58.8297, 64.3397,
79.1311

■ 40.9353, 48.1337,
76.9462

■ 66.5855, 70.8647,
79.9818

■ 36.6201, 43.7777,
76.3328

■ 75.3002, 77.9857,
80.8970

■ 33.0493, 39.9012,
75.7728

■ 83.8202, 85.1093,
81.8229

■ 30.1662, 36.4738,
75.2632

■ 85.7302, 88.9294,
82.4596

■ 27.9053, 33.4602,
74.8007

■ 87.7111, 92.8910,
83.1199

■ 26.1868, 30.8182,
74.3813

■ 89.7635, 96.9958,
83.8040

■ 25.3658, 29.4204,
74.1548

■ 90.3195, 98.1078,
83.9893

Harmonies

Analogous

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



50.1763, 58.3884, 70.6040



51.9943, 58.3884, 78.3417



54.8011, 58.3884, 82.1748

Triad

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



51.9943, 58.3884, 78.3417



61.6589, 58.3884, 65.5959



53.1609, 58.3884, 49.0889

Complementary

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



51.9943, 58.3884, 78.3417



54.9424, 53.2507, 44.9201

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.



56.1976, 58.3884, 48.0177



51.9943, 58.3884, 78.3417



61.1800, 58.3884, 57.0288

Square

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



51.9943, 58.3884, 78.3417



60.4378, 58.3884, 74.3841



59.1524, 58.3884, 50.7913



50.8320, 58.3884, 53.8674

Rectangle

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



51.9943, 58.3884, 78.3417



56.8859, 58.3884, 81.7682



59.1524, 58.3884, 50.7913



54.1298, 58.3884, 48.3029

Sweetspot

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



51.9961, 58.3908, 78.3430



87.1213, 93.4427, 108.0522



51.4342, 64.6848, 55.2882



18.5077, 19.8836, 23.1124



0.0000, 0.0000, 0.0000



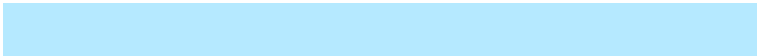
20.3446, 21.4041, 23.3091

Same Dimension

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



51.9961, 58.3908, 78.3430



66.2828, 75.3799, 105.6640



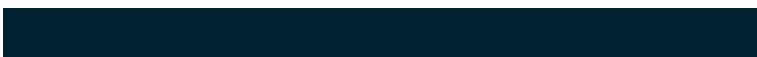
46.1456, 46.6899, 76.3929



13.7558, 14.8507, 17.5291



15.0172, 17.5040, 43.6355



1.1176, 1.3667, 3.0501

Inverse Universe

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



55.8833, 48.5703, 65.4638



72.4952, 60.2166, 84.9619



60.9628, 65.2914, 46.9268



14.1130, 13.8628, 16.3650



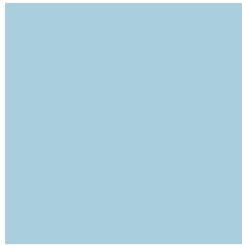
21.5202, 10.6751, 19.9370



1.5304, 0.7554, 1.5858

Previews

White Background



This preview shows how the XYZ color 51.9943, 58.3884, 78.3417 looks on a white background.

Color Contrast Check

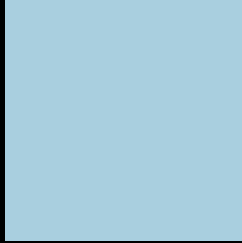
Large Text (above 18pt) WCAG AA × Fail

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 51.9943, 58.3884, 78.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

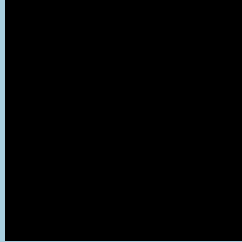
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9943, 58.3884, 78.3417

Background



This preview shows how black text looks on a background with the XYZ color 51.9943, 58.3884, 78.3417.



This preview shows how white text looks on a background with the XYZ color 51.9943, 58.3884,

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

51.9943, 58.3884, 78.3417

Protanopia

56.6315, 58.0509, 74.5498

Deuteranopia

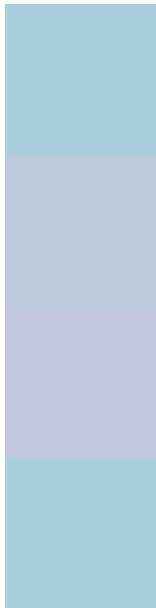
59.1181, 57.8764, 79.2896



Tritanopia

51.9943, 58.3884, 78.3417

Trichromacy



Original Color

51.9943, 58.3884, 78.3417

Protanomaly

54.7778, 58.0997, 76.0374

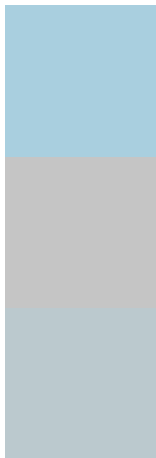
Deuteranomaly

56.1261, 57.6980, 78.6997

Tritanomaly

51.9943, 58.3884, 78.3417

Monochromacy



Original Color

51.9943, 58.3884, 78.3417

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.5207, 56.7943, 66.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9943, 58.3884, 78.3417 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(169, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(169, 207, 223)  
}
```

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(169, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 207, 223) }
```

Border

The CSS property to change the border of an element to XYZ 51.9943, 58.3884, 78.3417 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(169, 207, 223) }
```


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

```
.border{ border-color:rgb(169, 207, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 207, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(169, 207,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9943, 58.3884, 78.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 207, 223) }
```

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

```
.background{ background-color: rgb(169,  
207, 223) }
```

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