

Converting Colors

XYZ(59.6176, 68.8923, 83.5792)

Have a look what the booklet for
XYZ(59.6176, 68.8923, 83.5792)
contains.

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Color

**XYZ(59.7512, 69.1552,
83.5978)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E1E4
RGB	180, 225, 228
RGB Percent	71%, 88%, 89%
CMY	0.2941, 0.1176, 0.1059
CMYK	0.21, 0.01, 0.00, 0.11
HSL	184°, 47%, 80%
HSV	184°, 21%, 89%
XYZ	59.7512, 69.1552, 83.5978
YIQ	211.8870, -27.7830, -8.6070

Conversions

Conversions Part 2

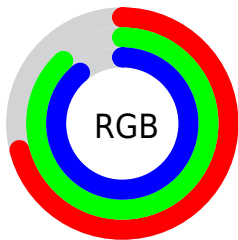
Format	Color
RYB	180, 203, 228
Decimal	11854308
CIELab	86.58, -13.83, -6.27
CIELCh	87, 15.190, 204.391
Yxy	69.1552, 0.2812, 0.3254
Android (android.graphics.Color)	4290044388 (0xFFB4E1E4)
YUV	211.8870, 7.9437, -27.9649
Hunter-Lab	83.1596, -17.2749, -1.3907

Details

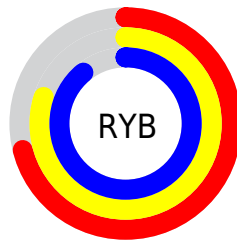
The XYZ color **59.7512, 69.1552, 83.5978** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.1672, 53.6563, 50.5250**, and the grayscale version is **62.4680, 65.7212, 71.5704**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.5217, 36.2022, 44.9142** is the 20% darker color. If you saturate the color by 10%, you get **54.4911, 65.8764, 83.2433**, and if you desaturate by 10%, it is **65.8916, 72.8962, 83.9974**.

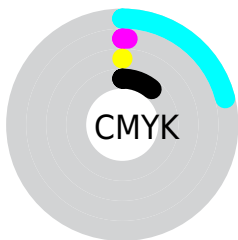
Distribution



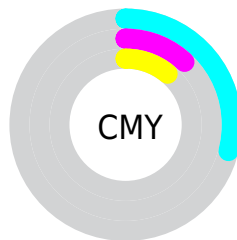
- Red (71%)
- Green (88%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7512, 69.1552, 83.5978 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 59.7512, 69.1552, 83.5978 by changing the saturation by 10% instead.

■ 59.7512, 69.1552,
83.5978

■ 59.7512, 69.1552,
83.5978

413.5295,
457.5782, 526.9998

■ 43.4668, 50.8381,
62.1400

■ 103.5771,
118.0032, 140.2691

■ 30.4477, 36.0798,
44.7093

131.8493,
149.3029, 176.3197

■ 20.3284, 24.4958,
30.8872

164.8481,
185.6990, 218.0716

■ 12.7436, 15.7018,
20.2552

202.9390,
227.5758, 265.9433

■ 7.3280, 9.3134,
12.3948

246.4872,
275.3177, 320.3535

■ 3.7162, 4.9462,
6.8874

295.8581,

■ 1.5429, 2.2157,

329.3092, 381.7206

3.3144

351.4171,
389.9345, 450.4632

■ 0.3547, 0.7285,
1.2573

■ 0.0000, 0.0000,
0.0264

■ 59.7512, 69.1552,
83.5978

■ 59.7512, 69.1552,
83.5978

■ 54.4911, 65.8764,
83.2433

■ 65.8916, 72.8962,
83.9974

■ 50.0627, 63.0292,
82.9271

■ 72.9460, 77.1114,
84.4392

■ 46.4216, 60.5927,
82.6487

■ 80.9538, 81.8228,
84.9265

■ 43.5172, 58.5407,
82.4058

■ 83.7355, 83.8449,
85.1702

■ 41.2927, 56.8439,
82.1955

■ 84.1349, 84.6437,
85.3033

■ 39.6833, 55.4689,
82.0149

■ 84.5375, 85.4489,
85.4375

■ 38.6111, 54.3756,
81.8604

■ 84.9434, 86.2607,
85.5728

■ 37.9912, 53.5762,
81.7388

■ 85.3525, 87.0790,
85.7092

■ 85.7650, 87.9039,
85.8467

Harmonies

Analogous

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



59.2159, 69.1552, 73.4179



59.7512, 69.1552, 83.5978



61.8639, 69.1552, 92.1988

Triad

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



59.7512, 69.1552, 83.5978



71.3929, 69.1552, 87.1690



66.3943, 69.1552, 57.5932

Complementary

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



59.7512, 69.1552, 83.5978



57.1672, 53.6563, 50.5250

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.



69.7538, 69.1552, 60.6005



59.7512, 69.1552, 83.5978



72.7050, 69.1552, 77.2105

Square

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



59.7512, 69.1552, 83.5978



68.5674, 69.1552, 94.3862



72.0948, 69.1552, 67.5671



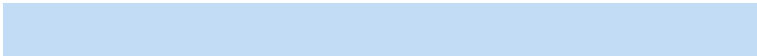
62.9719, 69.1552, 58.9746

Rectangle

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



59.7512, 69.1552, 83.5978



63.9239, 69.1552, 95.5724



72.0948, 69.1552, 67.5671



67.5696, 69.1552, 58.1155

Sweetspot

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



59.7532, 69.1580, 83.5994



89.3394, 96.6048, 108.5456



55.0519, 68.5853, 54.8111



18.9950, 20.6013, 23.2253



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.



59.7532, 69.1580, 83.5994



74.1021, 87.3355, 107.5596



53.8540, 57.3596, 81.6330



14.7264, 16.1741, 18.4901



21.9701, 31.0022, 47.2093



1.6470, 2.3379, 3.4964

Inverse Universe

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



61.9084, 54.5742, 78.5084



77.3411, 65.5970, 99.8682



62.4020, 64.1260, 52.2700



14.9542, 14.5989, 17.9593



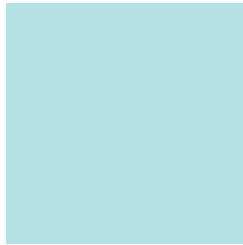
25.4830, 12.3274, 37.7679



1.8949, 0.9157, 2.8533

Previews

White Background



This preview shows how the XYZ color 59.7512, 69.1552, 83.5978 looks on a white background.

Color Contrast Check

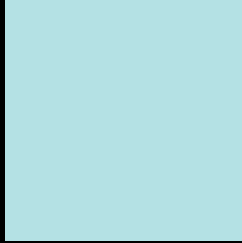
Large Text (above 18pt) WCAG AA × Fail

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 59.7512, 69.1552, 83.5978 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 59.7512, 69.1552, 83.5978

Background



This preview shows how black text looks on a background with the XYZ color 59.7512, 69.1552, 83.5978.

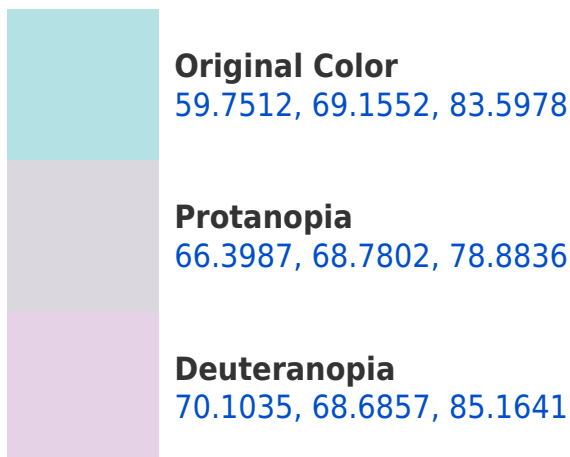


This preview shows how white text looks on a background with the XYZ color 59.7512, 69.1552,

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

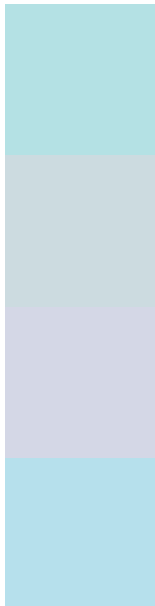




Tritanopia

61.7933, 69.1935, 93.3179

Trichromacy



Original Color

59.7512, 69.1552, 83.5978

Protanomaly

63.6879, 68.8822, 80.4599

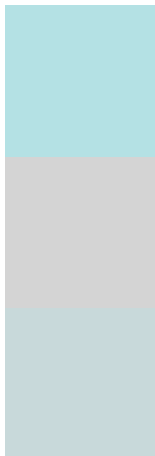
Deuteranomaly

65.7347, 68.3111, 84.5837

Tritanomaly

61.0874, 69.3125, 89.5159

Monochromacy



Original Color

59.7512, 69.1552, 83.5978

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.2872, 66.9670, 76.0254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7512, 69.1552, 83.5978 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(180, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 225, 228)  
}
```

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(180, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 225, 228) }
```

Border

The CSS property to change the border of an element to XYZ 59.7512, 69.1552, 83.5978 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(180, 225, 228) }
```


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

```
.border{ border-color:rgb(180, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 225, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 225, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 225,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7512, 69.1552, 83.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 225, 228) }
```

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

```
.background{ background-color: rgb(180,  
225, 228) }
```

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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