

Converting Colors

XYZ(59.2916, 71.7135, 76.5578)

Have a look what the booklet for
XYZ(59.2916, 71.7135, 76.5578)
contains.

XYZ(59.2318, 71.5087, 76.3264)	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(59.2318, 71.5087,
76.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E7D9
RGB	177, 231, 217
RGB Percent	69%, 91%, 85%
CMY	0.3059, 0.0941, 0.1490
CMYK	0.23, 0.00, 0.06, 0.09
HSL	164°, 53%, 80%
HSV	164°, 23%, 91%
XYZ	59.2318, 71.5087, 76.3264
YIQ	213.2580, -27.6900, -15.8020

Conversions

Conversions Part 2

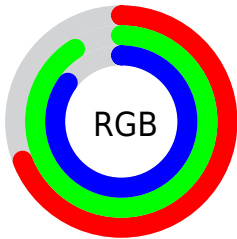
Format	Color
RYB	177, 208, 231
Decimal	11659225
CIELab	87.73, -20.04, 1.18
CIELCh	88, 20.074, 176.622
Yxy	71.5087, 0.2861, 0.3453
Android (android.graphics.Color)	4289849305 (0xFFB1E7D9)
YUV	213.2580, 1.8448, -31.7983
Hunter-Lab	84.5628, -22.9551, 5.6788

Details

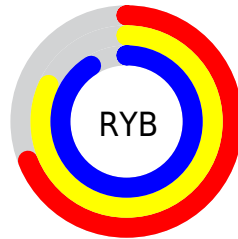
The XYZ color **59.2318, 71.5087, 76.3264** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0836, 52.1967, 56.3069**, and the grayscale version is **63.4215, 66.7243, 72.6628**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **30.0199, 37.4795, 39.8345** is the 20% darker color. If you saturate the color by 10%, you get **53.6443, 68.7186, 72.0724**, and if you desaturate by 10%, it is **65.7423, 74.7752, 80.7743**.

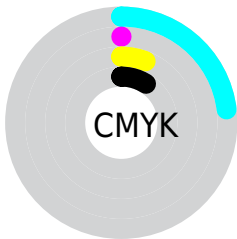
Distribution



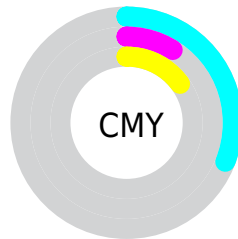
- Red (69%)
- Green (91%)
- Blue (85%)



- Red (69%)
- Yellow (82%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2318, 71.5087, 76.3264 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 59.2318, 71.5087, 76.3264 by changing the saturation by 10% instead.

■ 59.2318, 71.5087,
76.3264

■ 59.2318, 71.5087,
76.3264

411.6406,
465.8298, 501.8408

■ 43.0468, 52.7574,
56.1919

■ 102.8272,
121.3578, 129.9525

■ 30.1165, 37.6092,
39.9518

130.9683,
153.2244, 164.2812

■ 20.0756, 25.6795,
27.1875

163.8256,
190.2315, 204.1784

■ 12.5586, 16.5840,
17.4804

201.7642,
232.7637, 250.0627

■ 7.2002, 9.9384,
10.4120

245.1497,
281.2052, 302.3525

■ 3.6351, 5.3581,
5.5638

294.3474,

■ 1.4978, 2.4589,

335.9404, 361.4664

2.5173

349.7226,
397.3538, 427.8230

■ 0.3243, 0.8559,
0.8493

■ 0.0000, 0.0000,
0.0000

■ 59.2318, 71.5087,
76.3264

■ 59.2318, 71.5087,
76.3264

■ 53.6443, 68.7186,
72.0724

■ 65.7423, 74.7752,
80.7743

■ 48.9286, 66.3727,
68.0038


■ 73.2116, 78.5308,
85.4147


■ 45.0377, 64.4488,
64.1183


■ 81.6812, 82.7987,
90.2525


■ 41.9177, 62.9192,
60.4119


■ 85.6887, 84.7630,
95.0337

 39.5078, 61.7525,
56.8800


 86.5982, 85.1268,
99.8235

 37.7382, 60.9128,
53.5177

 87.5375, 85.5025,
104.7697

 36.5240, 60.3565,
50.3194

 87.8672, 85.6344,
106.5057

 35.9379, 60.0987,
48.2865

Harmonies

Analogous

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



60.6054, 71.5087, 64.3094



59.2318, 71.5087, 76.3264



60.1071, 71.5087, 90.2100

Triad

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



59.2318, 71.5087, 76.3264



72.1521, 71.5087, 103.7293



73.1286, 71.5087, 57.9554

Complementary

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



59.2318, 71.5087, 76.3264



58.0836, 52.1967, 56.3069

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.



76.4836, 71.5087, 66.6934



59.2318, 71.5087, 76.3264



75.9016, 71.5087, 93.1935

Square

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



59.2318, 71.5087, 76.3264



67.4290, 71.5087, 107.0749



77.5211, 71.5087, 79.4157



68.5076, 71.5087, 54.5117

Rectangle

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



59.2318, 71.5087, 76.3264



61.8715, 71.5087, 98.5138



77.5211, 71.5087, 79.4157



74.4500, 71.5087, 60.3171

Sweetspot

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



59.2338, 71.5116, 76.3280



88.0488, 96.4758, 104.7292



58.1006, 71.4575, 52.3267



18.7230, 20.5879, 22.3406



0.0000, 0.0000, 0.0000



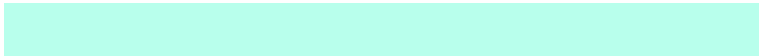
20.3446, 21.4041, 23.3091

Same Dimension

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



59.2338, 71.5116, 76.3280



70.6425, 87.7454, 92.9408



57.7328, 65.4698, 85.1988



14.6395, 16.2692, 17.6322



20.1996, 33.7120, 27.3493



1.5301, 2.5061, 2.2179

Inverse Universe

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



58.0836, 52.1967, 56.3069



68.9717, 59.6447, 63.8254



59.2201, 56.8192, 49.4422



14.5296, 14.4290, 15.7234



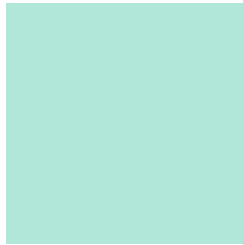
18.9738, 9.7237, 3.4912



1.4393, 0.7334, 0.4541

Previews

White Background



This preview shows how the XYZ color 59.2318, 71.5087, 76.3264 looks on a white background.

Color Contrast Check

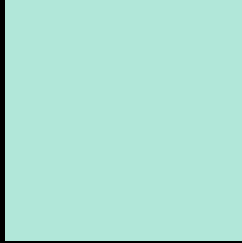
Large Text (above 18pt) WCAG AA × Fail

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 59.2318, 71.5087, 76.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

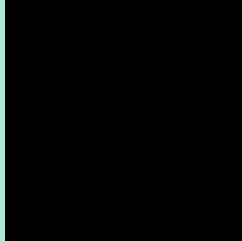
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

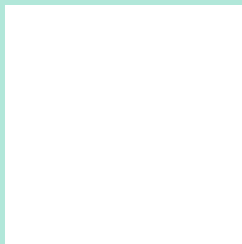
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2318, 71.5087, 76.3264

Background



This preview shows how black text looks on a background with the XYZ color 59.2318, 71.5087, 76.3264.

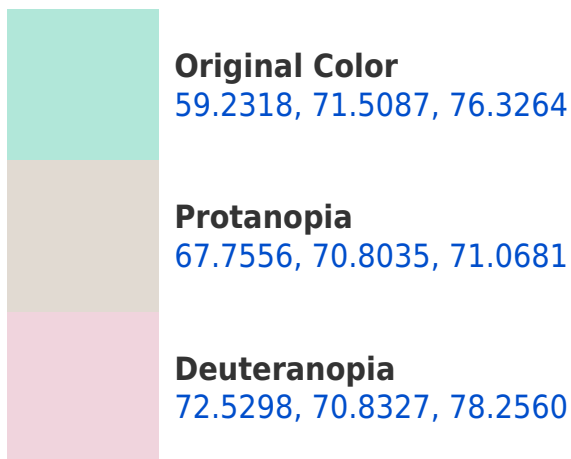


This preview shows how white text looks on a background with the XYZ color 59.2318, 71.5087,

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

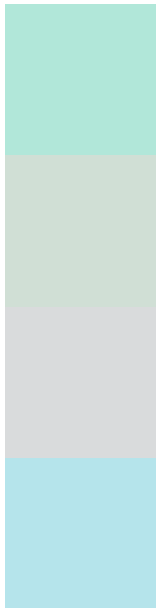




Tritanopia

63.4790, 71.5980, 96.8603

Trichromacy



Original Color

59.2318, 71.5087, 76.3264

Protanomaly

64.4103, 70.9893, 73.2583

Deuteranomaly

66.8651, 70.5821, 77.8097

Tritanomaly

61.7949, 71.3087, 89.1043

Monochromacy



Original Color

59.2318, 71.5087, 76.3264

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.5502, 68.3208, 73.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2318, 71.5087, 76.3264 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(177, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 217)  
}
```

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(177, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 217) }
```

Border

The CSS property to change the border of an element to XYZ 59.2318, 71.5087, 76.3264 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(177, 231, 217) }
```


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

```
.border{ border-color:rgb(177, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2318, 71.5087, 76.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 217) }
```

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

```
.background{ background-color: rgb(177,  
231, 217) }
```

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