

Converting Colors

XYZ(50.1761, 58.6126, 76.0909)

Have a look what the booklet for
XYZ(50.1761, 58.6126, 76.0909)
contains.

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Color

**XYZ(50.2629, 58.6314,
76.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD2DC
RGB	159, 210, 220
RGB Percent	62%, 82%, 86%
CMY	0.3765, 0.1765, 0.1372
CMYK	0.28, 0.05, 0.00, 0.14
HSL	190°, 47%, 74%
HSV	190°, 28%, 86%
XYZ	50.2629, 58.6314, 76.3780
YIQ	195.8910, -33.6060, -7.7020

Conversions

Conversions Part 2

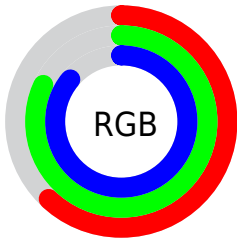
Format	Color
R _{YB}	159, 187, 220
Decimal	10474204
CIE Lab	81.09, -14.15, -10.31
CIE LCh	81, 17.510, 216.077
Yxy	58.6314, 0.2713, 0.3165
Android (android.graphics.Color)	4288664284 (0xFF9FD2DC)
YUV	195.8910, 11.8857, -32.3534
Hunter-Lab	76.5711, -16.8284, -5.5406

Details

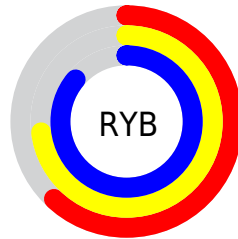
The XYZ color **50.2629, 58.6314, 76.3780** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9618, 46.0951, 39.0661**, and the grayscale version is **52.3508, 55.0772, 59.9790**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **24.4567, 29.2235, 39.9490** is the 20% darker color. If you saturate the color by 10%, you get **45.4027, 54.8206, 75.8996**, and if you desaturate by 10%, it is **55.9231, 62.8873, 76.9021**.

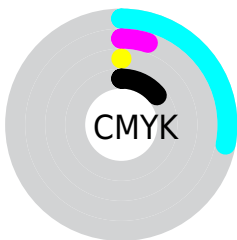
Distribution



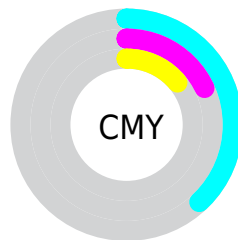
- Red (62%)
- Green (82%)
- Blue (86%)



- Red (62%)
- Yellow (73%)
- Blue (86%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (18%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2629, 58.6314, 76.3780 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 50.2629, 58.6314, 76.3780 by changing the saturation by 10% instead.

■ 50.2629, 58.6314,
76.3780

■ 50.2629, 58.6314,
76.3780

378.1282,
419.5346, 502.0219

■ 35.8410, 42.3165,
56.2340

■ 89.7538, 102.8418,
130.0261

■ 24.4810, 29.3492,
39.9853

■ 115.5534,
131.5060, 164.3672

■ 15.8174, 19.3451,
27.2134

145.8764,
165.0554, 204.2779

■ 9.4851, 11.9199,
17.4997

181.0880,
203.8744, 250.1765

■ 5.1185, 6.6892,
10.4257

221.5537,
248.3475, 302.4817

■ 2.3525, 3.2685,
5.5728

267.6387,

■ 0.8213, 1.2735,

298.8589, 361.6119

2.5226

319.7084,
355.7931, 427.9858

■ 0.0000, 0.1205,
0.8521

■ 0.0000, 0.0000,
0.0000

■ 50.2629, 58.6314,
76.3780

■ 50.2629, 58.6314,
76.3780

■ 45.4027, 54.8206,
75.8996

■ 55.9231, 62.8873,
76.9021

■ 41.2960, 51.4264,
75.4609

■ 62.4163, 67.6012,
77.4698

■ 37.8993, 48.4276,
75.0611

■ 69.7800, 72.7939,
78.0840

■ 35.1627, 45.7982,
74.6978

■ 78.0479, 78.4832,
78.7463

■ 33.0294, 43.5089,
74.3683

■ 81.9108, 81.9321,
79.2084

■ 31.4328, 41.5250,
74.0696

■ 82.9134, 83.9372,
79.5426

■ 30.2807, 39.7989,
73.7971

■ 83.9367, 85.9839,
79.8837

■ 30.0474, 39.4252,
73.7373

■ 84.9810, 88.0724,
80.2318

■ 86.0463, 90.2031,
80.5869

Harmonies

Analogous

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



49.0571, 58.6314, 65.9839



50.2629, 58.6314, 76.3780



52.9387, 58.6314, 83.9583

Triad

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



50.2629, 58.6314, 76.3780



62.3691, 58.6314, 72.3127



54.9902, 58.6314, 45.9193

Complementary

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



50.2629, 58.6314, 76.3780



49.9618, 46.0951, 39.0661

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.



58.6123, 58.6314, 47.2227



50.2629, 58.6314, 76.3780



62.9764, 58.6314, 61.7423

Square

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



50.2629, 58.6314, 76.3780



59.9488, 58.6314, 81.4383



61.5742, 58.6314, 52.7545



51.7089, 58.6314, 48.9786

Rectangle

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



50.2629, 58.6314, 76.3780



55.2502, 58.6314, 85.9839



61.5742, 58.6314, 52.7545



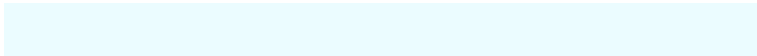
56.2073, 58.6314, 45.8667

Sweetspot

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



50.2646, 58.6338, 76.3793



86.8817, 94.2194, 108.2148



46.9743, 61.3912, 46.4942



18.2865, 19.9446, 23.1358



0.0000, 0.0000, 0.0000



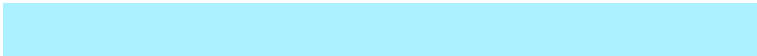
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2646, 58.6338, 76.3793



66.3289, 78.8950, 106.3401



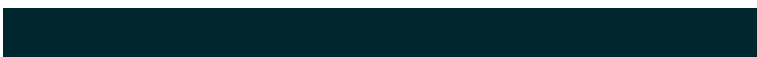
43.6095, 45.3235, 74.1610



13.2537, 14.4472, 16.7422



17.7040, 23.2775, 43.2983



1.1964, 1.6069, 2.8216

Inverse Universe

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



53.5476, 44.6664, 66.7746



71.6829, 56.6925, 90.5469



56.1173, 58.4060, 41.1179



13.5179, 13.2363, 15.9887



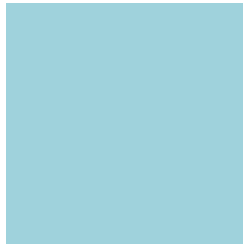
22.4315, 10.9736, 27.7161



1.4782, 0.7209, 1.9270

Previews

White Background



This preview shows how the XYZ color 50.2629, 58.6314, 76.3780 looks on a white background.

Color Contrast Check

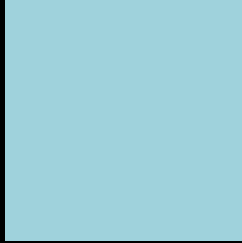
Large Text (above 18pt) WCAG AA × Fail

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 50.2629, 58.6314, 76.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

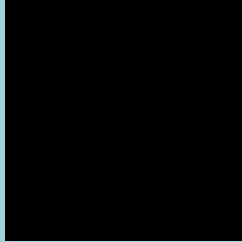
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2629, 58.6314, 76.3780

Background



This preview shows how black text looks on a background with the XYZ color 50.2629, 58.6314, 76.3780.



This preview shows how white text looks on a background with the XYZ color 50.2629, 58.6314,

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

50.2629, 58.6314, 76.3780

Protanopia

56.8793, 58.5811, 71.9278

Deuteranopia

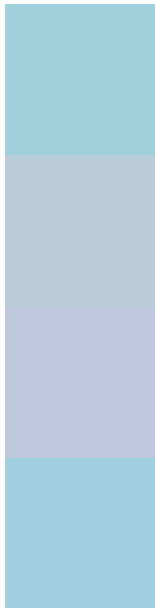
59.4127, 58.0596, 77.8873



Tritanopia

51.0251, 58.5655, 80.5665

Trichromacy



Original Color

50.2629, 58.6314, 76.3780

Protanomaly

54.2372, 58.5827, 73.4147

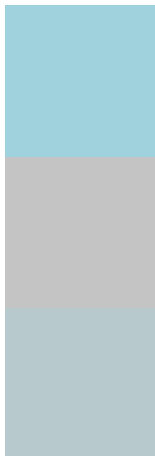
Deuteranomaly

55.3250, 57.6588, 77.3206

Tritanomaly

50.7522, 58.4563, 79.1293

Monochromacy



Original Color

50.2629, 58.6314, 76.3780

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4345, 56.2483, 65.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2629, 58.6314, 76.3780 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(159, 210, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 210, 220)  
}
```

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(159, 210, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 210, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.2629, 58.6314, 76.3780 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(159, 210, 220) }
```


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

```
.border{ border-color:rgb(159, 210, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 210, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 210, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 210, 220);  
box-shadow:4px 4px 4px 4px rgb(159, 210,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2629, 58.6314, 76.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 210, 220) }
```

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

```
.background{ background-color: rgb(159,  
210, 220) }
```

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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