

Converting Colors

XYZ(29.9240, 38.2651, 59.7807)

Have a look what the booklet for
XYZ(29.9240, 38.2651, 59.7807)
contains.

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Color

**XYZ(29.9086, 38.1576,
59.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	52B3C7
RGB	82, 179, 199
RGB Percent	32%, 70%, 78%
CMY	0.6784, 0.2980, 0.2196
CMYK	0.59, 0.10, 0.00, 0.22
HSL	190°, 51%, 55%
HSV	190°, 59%, 78%
XYZ	29.9086, 38.1576, 59.8216
YIQ	152.2770, -64.2320, -14.3440

Conversions

Conversions Part 2

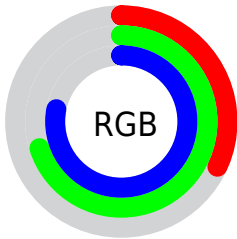
Format	Color
R _Y B	82, 135, 199
Decimal	5419975
CIE Lab	68.14, -22.57, -18.74
CIE LCh	68, 29.339, 219.705
Yxy	38.1576, 0.2339, 0.2984
Android (android.graphics.Color)	4283610055 (0xFF52B3C7)
YUV	152.2770, 23.0344, -61.6329
Hunter-Lab	61.7718, -21.6748, -14.1778

Details

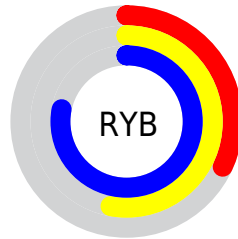
The XYZ color **29.9086, 38.1576, 59.8216** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.8285, 22.2551, 10.7074**, and the grayscale version is **29.8894, 31.4459, 34.2446**.

A 20% lighter version of the original color is **58.7428, 72.2994, 105.4668**, and **12.5717, 16.9660, 29.4002** is the 20% darker color. If you saturate the color by 10%, you get **27.7495, 36.0457, 59.5285**, and if you desaturate by 10%, it is **32.5887, 40.5647, 60.1457**.

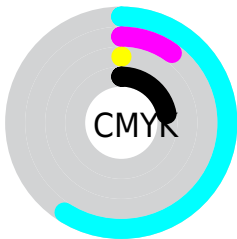
Distribution



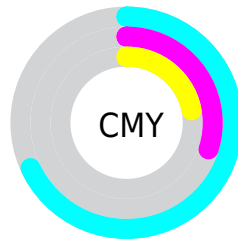
- Red (32%)
- Green (70%)
- Blue (78%)



- Red (32%)
- Yellow (53%)
- Blue (78%)



- Cyan (59%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (68%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9086, 38.1576, 59.8216 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 29.9086, 38.1576, 59.8216 by changing the saturation by 10% instead.

■ 29.9086, 38.1576,
59.8216

■ 29.9086, 38.1576,
59.8216

293.3957,
338.2955, 441.7263

■ 19.9169, 26.1050,
42.8505

■ 58.9052, 72.3496,
106.1117

■ 12.4426, 16.9022,
29.4373

■ 78.6409, 95.2579,
136.2677

■ 7.1202, 10.1648,
19.1635

■ 102.3553,
122.5535, 171.6558

■ 3.5844, 5.5084,
11.6104

■ 130.4138,
154.6208, 212.6945

■ 1.4698, 2.5485,
6.3597

163.1817,
191.8443, 259.8024

■ 0.3052, 0.9009,
2.9927

201.0244,

■ 0.0000, 0.0000,

234.6083, 313.3980

1.0909

244.3073,
283.2973, 373.8997

■ 0.0000, 0.0000,
0.0000

■ 29.9086, 38.1576,
59.8216

■ 29.9086, 38.1576,
59.8216

■ 27.7495, 36.0457,
59.5285

■ 32.5887, 40.5647,
60.1457

■ 26.0628, 34.2013,
59.2614

■ 35.8256, 43.2831,
60.4998

■ 24.7970, 32.5985,
59.0187

■ 39.6562, 46.3330,
60.8866

■ 23.8658, 31.1926,
58.7964

■ 44.1131, 49.7311,
61.3076

■ 23.7614, 31.0286,
58.7703

■ 49.2263, 53.4934,
61.7642

■ 55.0242, 57.6344,
62.2580

■ 61.5332, 62.1679,
62.7900

■ 68.7784, 67.1072,
63.3615

■ 74.5011, 71.2879,
63.8668

Harmonies

Analogous

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



28.2650, 38.1576, 45.9433



29.9086, 38.1576, 59.8216



33.2995, 38.1576, 69.9592

Triad

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



29.9086, 38.1576, 59.8216



45.1655, 38.1576, 50.9183



34.8039, 38.1576, 21.3238

Complementary

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



29.9086, 38.1576, 59.8216



29.8285, 22.2551, 10.7074

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.



39.4071, 38.1576, 22.1050



29.9086, 38.1576, 59.8216



45.6540, 38.1576, 37.4407

Square

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



29.9086, 38.1576, 59.8216



42.1864, 38.1576, 64.1152



43.4696, 38.1576, 27.4341



30.9302, 38.1576, 25.0144

Rectangle

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



29.9086, 38.1576, 59.8216



36.2224, 38.1576, 72.1971



43.4696, 38.1576, 27.4341



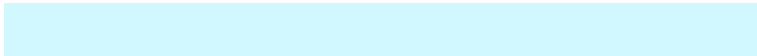
36.3129, 38.1576, 21.0936

Sweetspot

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



29.9098, 38.1590, 59.8225



77.6807, 87.4058, 107.3845



26.2777, 43.5910, 19.4710



16.1048, 18.3164, 22.9365



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.



29.9098, 38.1590, 59.8225



47.5400, 62.0135, 104.0719



20.6270, 19.5935, 56.7283



10.7865, 11.7471, 13.6164



15.3352, 20.0644, 37.8089



0.7680, 1.0339, 1.8042

Inverse Universe

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



34.7082, 21.4326, 44.9569



57.1471, 31.5356, 73.6335



37.6480, 37.8941, 13.3139



11.0023, 10.7843, 12.9952



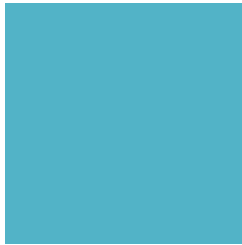
19.5398, 9.5655, 23.8505



0.9464, 0.4614, 1.2407

Previews

White Background



This preview shows how the XYZ color 29.9086, 38.1576, 59.8216 looks on a white background.

Color Contrast Check

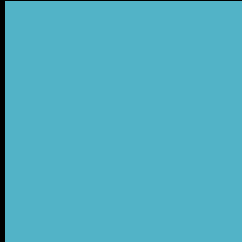
Large Text (above 18pt) WCAG AA × Fail

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 29.9086, 38.1576, 59.8216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

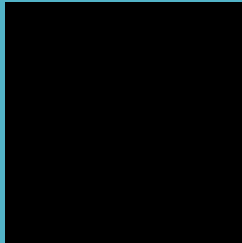
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9086, 38.1576, 59.8216

Background



This preview shows how black text looks on a background with the XYZ color 29.9086, 38.1576, 59.8216.



This preview shows how white text looks on a background with the XYZ color 29.9086, 38.1576,

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

29.9086, 38.1576, 59.8216

Protanopia

37.1587, 37.8021, 53.4822

Deuteranopia

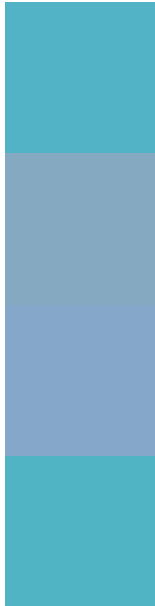
38.6001, 37.8338, 61.7681



Tritanopia

29.3671, 38.2430, 56.8728

Trichromacy



Original Color

29.9086, 38.1576, 59.8216

Protanomaly

33.3293, 37.1317, 55.8626

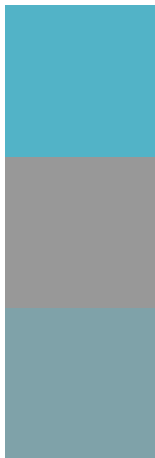
Deuteranomaly

34.3362, 37.2561, 61.2585

Tritanomaly

29.6784, 38.3774, 58.0679

Monochromacy



Original Color

29.9086, 38.1576, 59.8216

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.8342, 33.2173, 42.4280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9086, 38.1576, 59.8216 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(82, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(82, 179, 199)  
}
```

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(82, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 179, 199) }
```

Border

The CSS property to change the border of an element to XYZ 29.9086, 38.1576, 59.8216 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(82, 179, 199) }
```


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

```
.border{ border-color:rgb(82, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(82, 179,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9086, 38.1576, 59.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 179, 199) }
```

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

```
.background{ background-color: rgb(82, 179,  
199) }
```

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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