

Converting Colors

XYZ(28.8893, 38.3453, 64.5581)

Have a look what the booklet for
XYZ(28.8893, 38.3453, 64.5581)
contains.

XYZ(28.9072, 38.4476, 64.2901)	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(28.9072, 38.4476,
64.2901)**

Conversions

Conversions Part 1

Format	Color
Hex	2CB6CE
RGB	44, 182, 206
RGB Percent	17%, 71%, 81%
CMY	0.8274, 0.2863, 0.1922
CMYK	0.79, 0.12, 0.00, 0.19
HSL	189°, 65%, 49%
HSV	189°, 79%, 81%
XYZ	28.9072, 38.4476, 64.2901
YIQ	143.4740, -89.9520, -21.7920

Conversions

Conversions Part 2

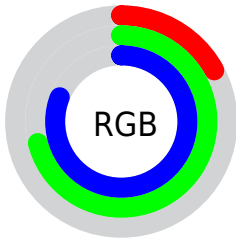
Format	Color
R _Y B	44, 119, 206
Decimal	2930382
CIE Lab	68.35, -27.33, -22.36
CIE LCh	68, 35.307, 219.288
Yxy	38.4476, 0.2196, 0.2921
Android (android.graphics.Color)	4281120462 (0xFF2CB6CE)
YUV	143.4740, 30.8253, -87.2387
Hunter-Lab	62.0061, -25.2942, -18.0696

Details

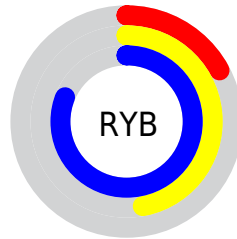
The XYZ color **28.9072, 38.4476, 64.2901** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.9766, 17.4395, 4.2757**, and the grayscale version is **26.2061, 27.5709, 30.0247**.

A 20% lighter version of the original color is **55.9607, 72.1510, 105.5848**, and **13.5178, 17.9675, 32.4614** is the 20% darker color. If you saturate the color by 10%, you get **27.6138, 36.8638, 64.0533**, and if you desaturate by 10%, it is **30.6555, 40.2877, 64.5539**.

Distribution



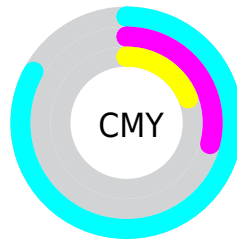
- Red (17%)
- Green (71%)
- Blue (81%)



- Red (17%)
- Yellow (47%)
- Blue (81%)



- Cyan (79%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (83%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9072, 38.4476, 64.2901 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 28.9072, 38.4476, 64.2901 by changing the saturation by 10% instead.

■ 28.9072, 38.4476,
64.2901

■ 28.9072, 38.4476,
64.2901

288.7790,
339.5362, 458.4727

■ 19.1546, 26.3303,
46.4380

■ 57.3282, 72.7937,
112.6321

■ 11.8867, 17.0709,
32.2404

■ 76.7273, 95.7912,
143.9591

■ 6.7382, 10.2850,
21.2789

■ 100.0725,
123.1843, 180.6148

■ 3.3438, 5.5884,
13.1348

■ 127.7293,
155.3572, 223.0177

■ 1.3381, 2.5964,
7.3896

■ 160.0630,
192.6945, 271.5864

■ 0.2114, 0.9249,
3.6248

197.4389,

■ 0.0000, 0.0000,

235.5805, 326.7395

1.4219

240.2225,
284.3996, 388.8954

■ 0.0000, 0.0000,
0.1587

■ 0.0000, 0.0000,
0.0000

■ 28.9072, 38.4476,
64.2901

■ 28.9072, 38.4476,
64.2901

■ 27.6138, 36.8638,
64.0533

■ 30.6555, 40.2877,
64.5539

■ 26.6814, 35.4854,
63.8364

■ 32.9123, 42.4095,
64.8445

■ 26.5647, 35.3043,
63.8076

■ 35.7277, 44.8397,
65.1652

■ 39.1445, 47.6006,
65.5180

■ 43.2015, 50.7122,
65.9047

■ 47.9340, 54.1929,
66.3272

■ 53.3748, 58.0597,
66.7868

■ 59.5545, 62.3284,
67.2850

■ 66.5018, 67.0142,
67.8233

Harmonies

Analogous

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



27.0114, 38.4476, 46.9794



28.9072, 38.4476, 64.2901



32.9059, 38.4476, 77.3491

Triad

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



28.9072, 38.4476, 64.2901



47.4334, 38.4476, 53.5986



34.8518, 38.4476, 18.4062

Complementary

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



28.9072, 38.4476, 64.2901



27.9766, 17.4395, 4.2757

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.



40.4393, 38.4476, 19.3295



28.9072, 38.4476, 64.2901



48.0891, 38.4476, 37.1321

Square

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



28.9072, 38.4476, 64.2901



43.7078, 38.4476, 70.1733



45.4180, 38.4476, 25.3719



30.2079, 38.4476, 22.4209

Rectangle

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



28.9072, 38.4476, 64.2901



36.4112, 38.4476, 80.3507



45.4180, 38.4476, 25.3719



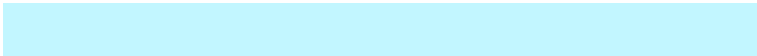
36.6757, 38.4476, 18.1774

Sweetspot

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



28.9084, 38.4490, 64.2910



73.1823, 84.5338, 107.0673



24.0828, 45.0677, 12.5240



15.0934, 17.6700, 22.8651



0.0000, 0.0000, 0.0000



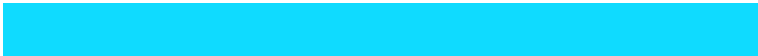
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9084, 38.4490, 64.2910



43.7111, 58.2424, 103.5458



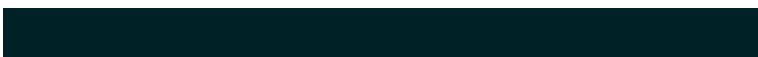
17.0709, 14.7740, 60.3452



11.3962, 12.4327, 14.3695



16.4136, 21.8511, 39.3089



0.8863, 1.2063, 2.0411

Inverse Universe

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



34.7988, 18.3018, 45.9559



54.2657, 26.7504, 69.6587



36.2812, 34.0488, 7.0439



11.6133, 11.3741, 13.7643



20.4957, 10.0089, 26.1268



1.0773, 0.5243, 1.4529

Previews

White Background



This preview shows how the XYZ color 28.9072, 38.4476, 64.2901 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 28.9072, 38.4476, 64.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

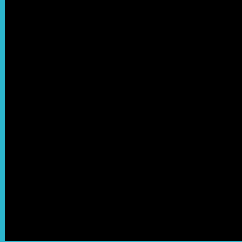
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9072, 38.4476, 64.2901

Background



This preview shows how black text looks on a background with the XYZ color 28.9072, 38.4476, 64.2901.



This preview shows how white text looks on a background with the XYZ color 28.9072, 38.4476,

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

28.9072, 38.4476, 64.2901

Protanopia

37.5103, 37.9195, 56.3811

Deuteranopia

38.6537, 37.7629, 66.2245



Tritanopia

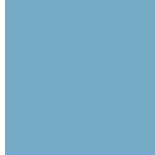
27.8541, 38.3193, 59.3544

Trichromacy



Original Color

28.9072, 38.4476, 64.2901



Protanomaly

32.2272, 37.0546, 58.8798



Deuteranomaly

33.0327, 36.7613, 65.6762



Tritanomaly

28.3128, 38.5154, 61.2003

Monochromacy



Original Color

28.9072, 38.4476, 64.2901



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.0033, 29.9929, 40.5478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9072, 38.4476, 64.2901 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(44, 182, 206)` looks like.

```
.text, #text, p{  
  color:rgb(44, 182, 206)  
}
```

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(44, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 182, 206) }
```

Border

The CSS property to change the border of an element to XYZ 28.9072, 38.4476, 64.2901 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(44, 182, 206) }
```


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

```
.border{ border-color:rgb(44, 182, 206) }
```

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

Here you see how a box with a 4 pixel rgb(44, 182, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 182, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 182, 206);  
box-shadow:4px 4px 4px 4px rgb(44, 182,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9072, 38.4476, 64.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 182, 206) }
```

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

```
.background{ background-color: rgb(44, 182,  
206) }
```

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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