

Converting Colors

XYZ(29.2633, 37.9711, 65.4622)

Have a look what the booklet for
XYZ(29.2633, 37.9711, 65.4622)
contains.

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Color

**XYZ(29.2820, 38.0088,
65.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	37B4D0
RGB	55, 180, 208
RGB Percent	22%, 71%, 82%
CMY	0.7843, 0.2941, 0.1843
CMYK	0.74, 0.13, 0.00, 0.18
HSL	191°, 62%, 52%
HSV	191°, 74%, 82%
XYZ	29.2820, 38.0088, 65.4676
YIQ	145.8170, -83.4880, -17.7920

Conversions

Conversions Part 2

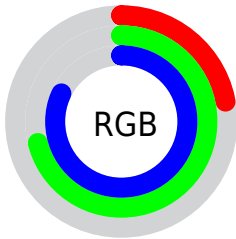
Format	Color
RYB	55, 124, 208
Decimal	3650768
CIELab	68.03, -24.49, -23.93
CIELCh	68, 34.242, 224.337
Yxy	38.0088, 0.2206, 0.2863
Android (android.graphics.Color)	4281840848 (0xFF37B4D0)
YUV	145.8170, 30.6562, -79.6465
Hunter-Lab	61.6513, -23.1091, -19.8043

Details

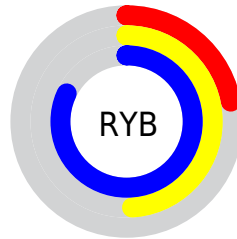
The XYZ color **29.2820, 38.0088, 65.4676** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **29.7966, 19.8741, 5.8815**, and the grayscale version is **27.1515, 28.5655, 31.1079**.

A 20% lighter version of the original color is **56.2138, 71.4219, 105.4308**, and **13.4221, 17.5118, 33.2446** is the 20% darker color. If you saturate the color by 10%, you get **27.6157, 36.0253, 65.1733**, and if you desaturate by 10%, it is **31.4517, 40.2846, 65.7933**.

Distribution



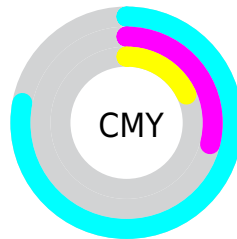
- Red (22%)
- Green (71%)
- Blue (82%)



- Red (22%)
- Yellow (49%)
- Blue (82%)



- Cyan (74%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (78%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2820, 38.0088, 65.4676 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 29.2820, 38.0088, 65.4676 by changing the saturation by 10% instead.

■ 29.2820, 38.0088,
65.4676

■ 29.2820, 38.0088,
65.4676

290.5135,
337.6577, 462.8225

■ 19.4396, 25.9895,
47.3866

■ 57.9193, 72.1216,
114.3416

■ 12.0942, 16.8158,
32.9848

■ 77.4449, 94.9840,
145.9716

■ 6.8805, 10.1032,
21.8438

■ 100.9290,
122.2294, 182.9550

■ 3.4332, 5.4675,
13.5450

■ 128.7368,
154.2424, 225.7105

■ 1.3868, 2.5241,
7.6697

■ 161.2339,
191.4074, 274.6564

■ 0.2468, 0.8886,
3.7996

198.7854,

■ 0.0000, 0.0000,

234.1086, 330.2113

1.5161

241.7568,
282.7306, 392.7939

■ 0.0000, 0.0000,
0.2299

■ 0.0000, 0.0000,
0.0000

■ 29.2820, 38.0088,
65.4676

■ 29.2820, 38.0088,
65.4676

■ 27.6157, 36.0253,
65.1733

■ 31.4517, 40.2846,
65.7933

■ 26.3841, 34.2963,
64.9045

■ 34.1750, 42.8767,
66.1500

■ 25.7478, 33.2791,
64.7417

■ 37.4999, 45.8107,
66.5411

■ 41.4681, 49.1084,
66.9685

■ 46.1174, 52.7895,
67.4340

■ 51.4827, 56.8723,
67.9392

■ 57.5965, 61.3737,
68.4859

■ 64.4891, 66.3095,
69.0753

■ 72.1892, 71.6949,
69.7089

Harmonies

Analogous

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



27.0805, 38.0088, 49.0851



29.2820, 38.0088, 65.4676



33.4299, 38.0088, 76.5582

Triad

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



29.2820, 38.0088, 65.4676



46.9174, 38.0088, 49.8239



33.6479, 38.0088, 18.9678

Complementary

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



29.2820, 38.0088, 65.4676



29.7966, 19.8741, 5.8815

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.



38.9637, 38.0088, 19.0725



29.2820, 38.0088, 65.4676



46.9905, 38.0088, 34.5357

Square

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



29.2820, 38.0088, 65.4676



43.7707, 38.0088, 66.1218



43.9616, 38.0088, 24.0779



29.4280, 38.0088, 23.7447

Rectangle

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



29.2820, 38.0088, 65.4676



36.9066, 38.0088, 78.0837



43.9616, 38.0088, 24.0779



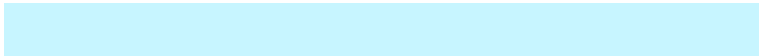
35.3569, 38.0088, 18.4788

Sweetspot

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



29.2832, 38.0102, 65.4685



74.1484, 84.4919, 107.0083



25.5992, 46.5116, 15.3170



15.4057, 17.7239, 22.8590



0.0000, 0.0000, 0.0000



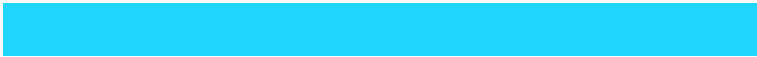
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2832, 38.0102, 65.4685



42.6326, 55.5641, 103.0857



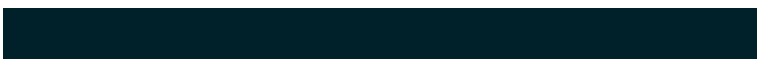
18.1164, 15.6764, 61.7462



11.9668, 13.0238, 15.1268



16.1127, 20.8720, 40.3720



0.9499, 1.2650, 2.2737

Inverse Universe

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



35.6179, 19.4389, 45.0561



53.8486, 27.0708, 65.9602



38.7603, 37.8015, 8.8694



12.2141, 11.9704, 14.4033



20.7637, 10.1783, 24.7254



1.1857, 0.5790, 1.5127

Previews

White Background



This preview shows how the XYZ color 29.2820, 38.0088, 65.4676 looks on a white background.

Color Contrast Check

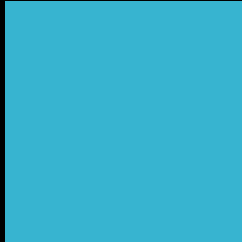
Large Text (above 18pt) WCAG AA × Fail

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 29.2820, 38.0088, 65.4676 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

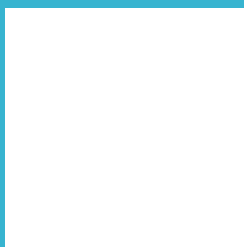
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2820, 38.0088, 65.4676

Background



This preview shows how black text looks on a background with the XYZ color 29.2820, 38.0088, 65.4676.



This preview shows how white text looks on a background with the XYZ color 29.2820, 38.0088,

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

29.2820, 38.0088, 65.4676

Protanopia

37.1615, 37.4490, 57.4943

Deuteranopia

38.3216, 37.5627, 67.5179



Tritanopia

27.9327, 38.0680, 58.6990

Trichromacy



Original Color

29.2820, 38.0088, 65.4676

Protanomaly

32.4985, 36.6110, 59.9974

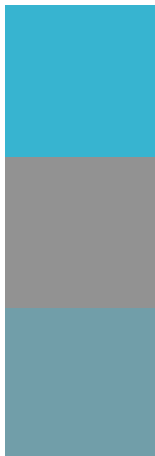
Deuteranomaly

33.5536, 37.0010, 67.0015

Tritanomaly

28.3331, 37.9178, 61.0839

Monochromacy



Original Color

29.2820, 38.0088, 65.4676

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.1983, 30.8290, 42.1059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2820, 38.0088, 65.4676 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(55, 180, 208)` looks like.

```
.text, #text, p{  
    color:rgb(55, 180, 208)  
}
```

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(55, 180, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 180, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.2820, 38.0088, 65.4676 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(55, 180, 208) }
```


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

```
.border{ border-color:rgb(55, 180, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 180, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 180, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 180, 208);  
box-shadow:4px 4px 4px 4px rgb(55, 180,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2820, 38.0088, 65.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 180, 208) }
```

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

```
.background{ background-color: rgb(55, 180,  
208) }
```

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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