

Converting Colors

XYZ(29.3988, 38.5528, 70.8957)

Have a look what the booklet for
XYZ(29.3988, 38.5528, 70.8957)
contains.

XYZ(29.3912, 38.5522, 70.8580)	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(29.3912, 38.5522,
70.8580)**

Conversions

Conversions Part 1

Format	Color
Hex	13B6D8
RGB	19, 182, 216
RGB Percent	7%, 71%, 85%
CMY	0.9254, 0.2863, 0.1529
CMYK	0.91, 0.16, 0.00, 0.15
HSL	190°, 84%, 46%
HSV	190°, 91%, 85%
XYZ	29.3912, 38.5522, 70.8580
YIQ	137.1390, -108.0620, -23.9820

Conversions

Conversions Part 2

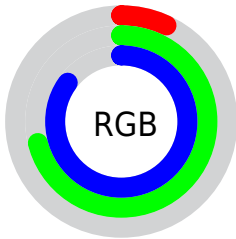
Format	Color
R _Y B	19, 108, 216
Decimal	1291992
CIE Lab	68.43, -25.79, -27.75
CIE LCh	68, 37.887, 227.102
Yxy	38.5522, 0.2118, 0.2778
Android (android.graphics.Color)	4279482072 (0xFF13B6D8)
YUV	137.1390, 38.8785, -103.6079
Hunter-Lab	62.0904, -24.1632, -24.1989

Details

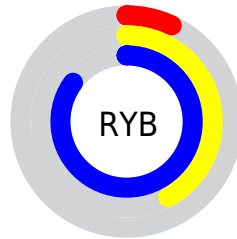
The XYZ color **29.3912, 38.5522, 70.8580** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.7117, 17.1956, 2.3708**, and the grayscale version is **23.7217, 24.9571, 27.1782**.

A 20% lighter version of the original color is **54.9312, 71.6203, 105.5367**, and **14.2833, 18.2737, 36.4926** is the 20% darker color. If you saturate the color by 10%, you get **28.4582, 37.0846, 70.6247**, and if you desaturate by 10%, it is **30.7970, 40.4263, 71.1464**.

Distribution



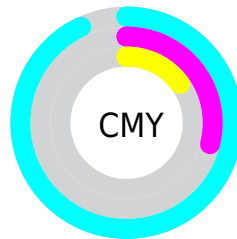
- Red (7%)
- Green (71%)
- Blue (85%)



- Red (7%)
- Yellow (42%)
- Blue (85%)



- Cyan (91%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (93%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3912, 38.5522, 70.8580 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 29.3912, 38.5522, 70.8580 by changing the saturation by 10% instead.

■ 29.3912, 38.5522,
70.8580

■ 29.3912, 38.5522,
70.8580

291.0173,
339.9829, 482.4272

■ 19.5227, 26.4115,
51.7452

■ 58.0913, 72.9537,
122.1241

■ 12.1548, 17.1318,
36.4212

■ 77.6537, 95.9834,
155.1144

■ 6.9222, 10.3285,
24.4674

■ 101.1780,
123.4115, 193.5677

■ 3.4594, 5.6173,
15.4653

■ 129.0297,
155.6225, 237.9025

■ 1.4011, 2.6138,
8.9964

■ 161.5742,
193.0007, 288.5373

■ 0.2570, 0.9336,
4.6420

199.1767,

■ 0.0000, 0.0000,

235.9306, 345.8906

1.9838

242.2026,
284.7965, 410.3811

■ 0.0000, 0.0000,
0.5453

■ 0.0000, 0.0000,
0.0000

■ 29.3912, 38.5522,
70.8580

■ 29.3912, 38.5522,
70.8580

■ 28.4582, 37.0846,
70.6247

■ 30.7970, 40.4263,
71.1464

■ 32.6928, 42.5828,
71.4627

■ 35.1478, 45.0581,
71.8111

■ 38.2190, 47.8821,
72.1943

■ 41.9564, 51.0805,
72.6147

■ 46.4046, 54.6766,
73.0744

■ 51.6041, 58.6916,
73.5753

■ 57.5926, 63.1450,
74.1193

■ 64.4050, 68.0552,
74.7080

Harmonies

Analogous

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



26.7562, 38.5522, 52.3724



29.3912, 38.5522, 70.8580



34.1469, 38.5522, 82.7194

Triad

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



29.3912, 38.5522, 70.8580



48.9695, 38.5522, 49.7267



33.3791, 38.5522, 17.7959

Complementary

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



29.3912, 38.5522, 70.8580



29.7117, 17.1956, 2.3708

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.



39.2573, 38.5522, 17.4470



29.3912, 38.5522, 70.8580



48.7063, 38.5522, 33.0568

Square

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



29.3912, 38.5522, 70.8580



45.6826, 38.5522, 68.4750



44.9985, 38.5522, 22.2525



28.8817, 38.5522, 23.3847

Rectangle

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



29.3912, 38.5522, 70.8580



38.0760, 38.5522, 83.6274



44.9985, 38.5522, 22.2525



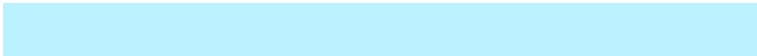
35.2459, 38.5522, 17.1284

Sweetspot

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



29.3925, 38.5536, 70.8590



70.4214, 81.8483, 106.6944



25.4422, 49.4978, 11.4457



14.5376, 17.1004, 22.7845



0.0000, 0.0000, 0.0000



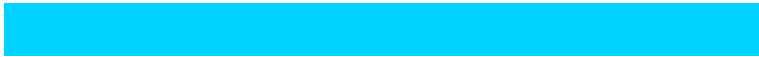
20.3446, 21.4041, 23.3091

Same Dimension

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



29.3925, 38.5536, 70.8590



41.3402, 53.8004, 102.8134



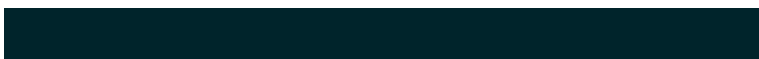
15.8883, 11.5451, 66.3575



12.6013, 13.7261, 15.9228



16.9143, 22.0904, 41.8255



1.0694, 1.4307, 2.5391

Inverse Universe

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



36.9964, 18.4435, 45.8672



52.9958, 25.9623, 63.8353



39.3987, 36.5695, 5.5998



12.8567, 12.5942, 15.1857



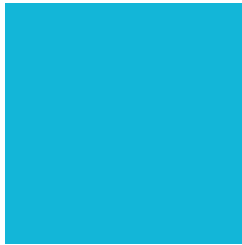
21.5964, 10.5749, 26.2425



1.3274, 0.6478, 1.7135

Previews

White Background



This preview shows how the XYZ color 29.3912, 38.5522, 70.8580 looks on a white background.

Color Contrast Check

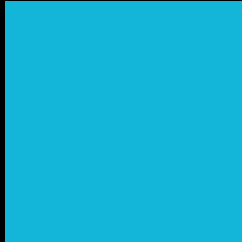
Large Text (above 18pt) WCAG AA × Fail

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 29.3912, 38.5522, 70.8580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

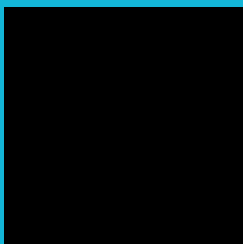
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

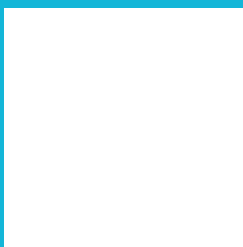
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3912, 38.5522, 70.8580

Background



This preview shows how black text looks on a background with the XYZ color 29.3912, 38.5522, 70.8580.



This preview shows how white text looks on a background with the XYZ color 29.3912, 38.5522,

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

29.3912, 38.5522, 70.8580

Protanopia

37.9596, 38.0308, 61.8399

Deuteranopia

38.9644, 38.0371, 72.9984



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



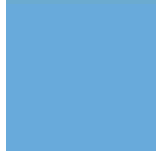
Original Color

29.3912, 38.5522, 70.8580



Protanomaly

32.0115, 36.8057, 65.0915



Deuteranomaly

32.8698, 36.8070, 72.3899



Tritanomaly

28.0406, 38.3199, 63.6762

Monochromacy



Original Color

29.3912, 38.5522, 70.8580



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.8903, 27.9153, 40.2581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3912, 38.5522, 70.8580 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(19, 182, 216)` looks like.

```
.text, #text, p{  
    color:rgb(19, 182, 216)  
}
```

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(19, 182, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 182, 216) }
```

Border

The CSS property to change the border of an element to XYZ 29.3912, 38.5522, 70.8580 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(19, 182, 216) }
```


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

```
.border{ border-color:rgb(19, 182, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 182, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 182, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 182, 216);  
box-shadow:4px 4px 4px 4px rgb(19, 182,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3912, 38.5522, 70.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 182, 216) }
```

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

```
.background{ background-color: rgb(19, 182,  
216) }
```

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