

Converting Colors

XYZ(29.1769, 38.9052, 68.2598)

Have a look what the booklet for
XYZ(29.1769, 38.9052, 68.2598)
contains.

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Color

**XYZ(29.1056, 38.7692,
68.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	14B7D4
RGB	20, 183, 212
RGB Percent	8%, 72%, 83%
CMY	0.9215, 0.2823, 0.1686
CMYK	0.91, 0.14, 0.00, 0.17
HSL	189°, 83%, 45%
HSV	189°, 91%, 83%
XYZ	29.1056, 38.7692, 68.2365
YIQ	137.5690, -106.4570, -25.5370

Conversions

Conversions Part 2

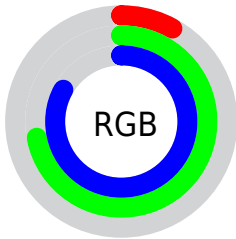
Format	Color
R _Y B	20, 108, 212
Decimal	1357780
CIE Lab	68.58, -27.57, -25.32
CIE LCh	69, 37.431, 222.562
Yxy	38.7692, 0.2138, 0.2848
Android (android.graphics.Color)	4279547860 (0xFF14B7D4)
YUV	137.5690, 36.6945, -103.1080
Hunter-Lab	62.2649, -25.5242, -21.3908

Details

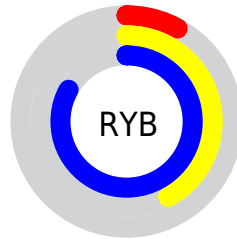
The XYZ color **29.1056, 38.7692, 68.2365** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.3776, 16.2466, 2.3033**, and the grayscale version is **23.8910, 25.1352, 27.3722**.

A 20% lighter version of the original color is **55.1008, 72.1411, 105.6283**, and **14.0684, 18.3996, 34.7083** is the 20% darker color. If you saturate the color by 10%, you get **28.2005, 37.3869, 68.0182**, and if you desaturate by 10%, it is **30.4095, 40.4339, 68.4898**.

Distribution



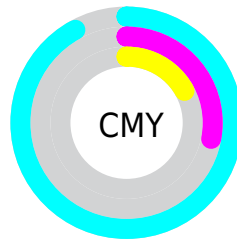
- Red (8%)
- Green (72%)
- Blue (83%)



- Red (8%)
- Yellow (42%)
- Blue (83%)



- Cyan (91%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (92%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1056, 38.7692, 68.2365 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 29.1056, 38.7692, 68.2365 by changing the saturation by 10% instead.

■ 29.1056, 38.7692,
68.2365

■ 29.1056, 38.7692,
68.2365

289.6981,
340.9082, 472.9543

■ 19.3054, 26.5802,
49.6223

■ 57.6412, 73.2856,
118.3478

■ 11.9965, 17.2582,
34.7443

■ 77.1074, 96.3818,
150.6820

■ 6.8135, 10.4188,
23.1840

■ 100.5262,
123.8826, 188.4266

■ 3.3910, 5.6775,
14.5228

■ 128.2630,
156.1723, 232.0001

■ 1.3637, 2.6500,
8.3423

■ 160.6833,
193.6353, 281.8211

■ 0.2302, 0.9519,
4.2239

198.1524,

■ 0.0000, 0.0000,

236.6560, 338.3081

1.7489

241.0355,
285.6189, 401.8796

■ 0.0000, 0.0000,
0.3940

■ 0.0000, 0.0000,
0.0000

■ 29.1056, 38.7692,
68.2365

■ 29.1056, 38.7692,
68.2365

■ 28.2005, 37.3869,
68.0182

■ 30.4095, 40.4339,
68.4898

■ 32.1827, 42.3622,
68.7686

■ 34.4905, 44.5888,
69.0767

■ 37.3868, 47.1415,
69.4168

■ 40.9188, 50.0447,
69.7910

■ 45.1287, 53.3205,
70.2014

■ 50.0552, 56.9888,
70.6498

■ 55.7339, 61.0682,
71.1379

■ 62.1980, 65.5760,
71.6673

Harmonies

Analogous

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



26.8440, 38.7692, 49.6846



29.1056, 38.7692, 68.2365



33.5513, 38.7692, 81.4374

Triad

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



29.1056, 38.7692, 68.2365



48.7723, 38.7692, 52.7224



34.4352, 38.7692, 17.7711

Complementary

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



29.1056, 38.7692, 68.2365



28.3776, 16.2466, 2.3033

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.



40.3559, 38.7692, 18.1762



29.1056, 38.7692, 68.2365



49.0742, 38.7692, 35.5308

Square

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



29.1056, 38.7692, 68.2365



45.0712, 38.7692, 70.9656



45.8566, 38.7692, 23.8234



29.6930, 38.7692, 22.5127

Rectangle

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



29.1056, 38.7692, 68.2365



37.3586, 38.7692, 83.7232



45.8566, 38.7692, 23.8234



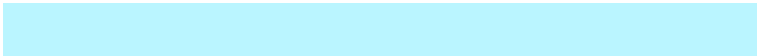
36.3440, 38.7692, 17.3556

Sweetspot

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



29.1069, 38.7706, 68.2375



70.8677, 82.7409, 106.8432



24.3834, 47.4568, 10.7611



14.6444, 17.3140, 22.8200



0.0000, 0.0000, 0.0000



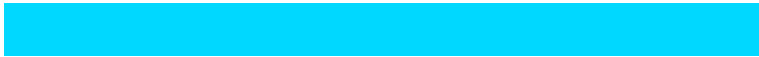
20.3446, 21.4041, 23.3091

Same Dimension

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



29.1069, 38.7706, 68.2375



42.7293, 56.5787, 103.2764



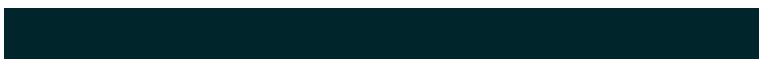
15.5987, 11.7543, 63.7347



12.6249, 13.7733, 15.9306



17.4683, 23.1983, 42.0102



1.0979, 1.4878, 2.5486

Inverse Universe

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



35.9498, 17.9175, 46.3648



53.6970, 26.2428, 67.5276



37.3746, 34.2406, 5.3023



12.8686, 12.5990, 15.2485



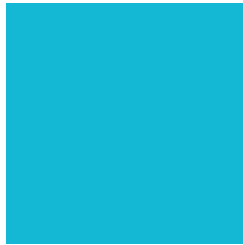
21.8760, 10.6867, 27.7150



1.3418, 0.6535, 1.7894

Previews

White Background



This preview shows how the XYZ color 29.1056, 38.7692, 68.2365 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 29.1056, 38.7692, 68.2365 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

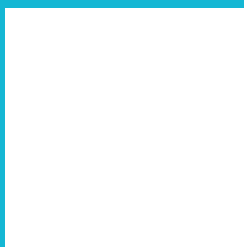
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1056, 38.7692, 68.2365

Background



This preview shows how black text looks on a background with the XYZ color 29.1056, 38.7692, 68.2365.

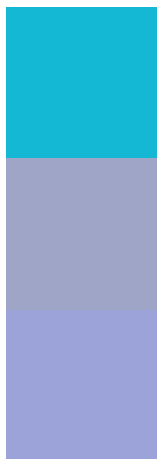


This preview shows how white text looks on a background with the XYZ color 29.1056, 38.7692,

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

29.1056, 38.7692, 68.2365

Protanopia

38.0620, 38.4047, 59.4396

Deuteranopia

39.0094, 38.1208, 70.2678



Tritanopia

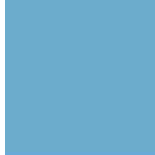
27.6578, 38.8214, 60.0684

Trichromacy



Original Color

29.1056, 38.7692, 68.2365



Protanomaly

31.8359, 37.0528, 62.6007



Deuteranomaly

32.5843, 36.7199, 69.6603



Tritanomaly

28.1272, 38.6858, 63.1114

Monochromacy



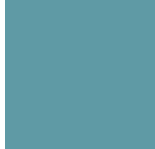
Original Color

29.1056, 38.7692, 68.2365



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.0664, 28.2607, 39.8364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1056, 38.7692, 68.2365 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(20, 183, 212)` looks like.

```
.text, #text, p{  
    color:rgb(20, 183, 212)  
}
```

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(20, 183, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 183, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.1056, 38.7692, 68.2365 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(20, 183, 212) }
```


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

```
.border{ border-color:rgb(20, 183, 212) }
```

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

Here you see how a box with a 4 pixel rgb(20, 183, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 183, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 183, 212);  
box-shadow:4px 4px 4px 4px rgb(20, 183,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1056, 38.7692, 68.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 183, 212) }
```

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

```
.background{ background-color: rgb(20, 183,  
212) }
```

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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