

Converting Colors

XYZ(28.1531, 37.8726, 66.2128)

Have a look what the booklet for
XYZ(28.1531, 37.8726, 66.2128)
contains.

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Color

**XYZ(28.2366, 38.0593,
66.1796)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6D1
RGB	0, 182, 209
RGB Percent	0%, 71%, 82%
CMY	0.9998, 0.2863, 0.1804
CMYK	1.00, 0.13, 0.00, 0.18
HSL	188°, 100%, 41%
HSV	188°, 100%, 82%
XYZ	28.2366, 38.0593, 66.1796
YIQ	130.6600, -117.1390, -30.1870

Conversions

Conversions Part 2

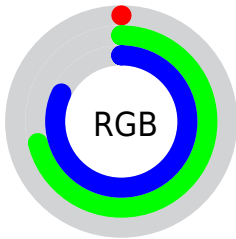
Format	Color
RYB	0, 97, 209
Decimal	46801
CIELab	68.06, -28.72, -24.48
CIELCh	68, 37.734, 220.440
Yxy	38.0593, 0.2131, 0.2873
Android (android.graphics.Color)	4278236881 (0xFF00B6D1)
YUV	130.6600, 38.6216, -114.5888
Hunter-Lab	61.6922, -26.2617, -20.4181

Details

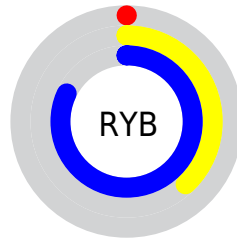
The XYZ color **28.2366, 38.0593, 66.1796** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **26.6883, 14.3419, 1.3632**, and the grayscale version is **21.3551, 22.4672, 24.4668**.

A 20% lighter version of the original color is **54.3335, 71.3121, 105.5087**, and **13.7667, 18.0671, 33.7721** is the 20% darker color. If you saturate the color by 10%, you get **28.2358, 38.0575, 66.1800**, and if you desaturate by 10%, it is **29.1039, 39.3361, 66.3811**.

Distribution



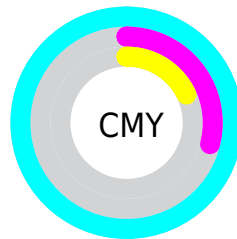
- Red (0%)
- Green (71%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2366, 38.0593, 66.1796 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 28.2366, 38.0593, 66.1796 by changing the saturation by 10% instead.

■ 28.2366, 38.0593,
66.1796

■ 28.2366, 38.0593,
66.1796

285.6554,
337.8743, 465.4407

■ 18.6455, 26.0287,
47.9608

■ 56.2680, 72.1990,
115.3735

■ 11.5169, 16.8451,
33.4361

■ 75.4389, 95.0769,
147.1857

■ 6.4855, 10.1241,
22.1869

■ 98.5338, 122.3394,
184.3662

■ 3.1859, 5.4813,
13.7946

■ 125.9180,
154.3709, 227.3334

■ 1.2528, 2.5324,
7.8409

■ 157.9570,
191.5557, 276.5059

■ 0.1475, 0.8928,
3.9070

195.0159,

■ 0.0000, 0.0000,

234.2783, 332.3023

1.5745

237.4603,
282.9230, 395.1410

■ 0.0000, 0.0000,
0.2725

■ 0.0000, 0.0000,
0.0000

■ 28.2366, 38.0593,
66.1796

■ 28.2366, 38.0593,
66.1796

■ 28.2358, 38.0575,
66.1800

■ 29.1039, 39.3361,
66.3811

■ 30.3137, 40.8047,
66.6008

■ 31.9790, 42.5242,
66.8449

■ 34.1608, 44.5260,
67.1163

■ 36.9107, 46.8368,
67.4174

■ 40.2738, 49.4800,
67.7503

■ 44.2907, 52.4767,
68.1170

■ 48.9985, 55.8458,
68.5192

■ 54.4313, 59.6053,
68.9585

Harmonies

Analogous

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



26.1593, 38.0593, 47.5861



28.2366, 38.0593, 66.1796



32.5210, 38.0593, 80.0325

Triad

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



28.2366, 38.0593, 66.1796



47.9026, 38.0593, 53.2481



34.1647, 38.0593, 17.0638

Complementary

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



28.2366, 38.0593, 66.1796



26.6883, 14.3419, 1.3632

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.



40.0913, 38.0593, 17.8117



28.2366, 38.0593, 66.1796



48.4657, 38.0593, 35.8475

Square

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



28.2366, 38.0593, 66.1796



44.0112, 38.0593, 71.2771



45.4753, 38.0593, 23.7915



29.3276, 38.0593, 21.3652

Rectangle

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



28.2366, 38.0593, 66.1796



36.2611, 38.0593, 82.9627



45.4753, 38.0593, 23.7915



36.0875, 38.0593, 16.7695

Sweetspot

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



28.2378, 38.0607, 66.1805



69.2123, 82.1187, 106.8104



22.9708, 45.6696, 8.4923



14.2152, 17.1348, 22.8081



0.0000, 0.0000, 0.0000



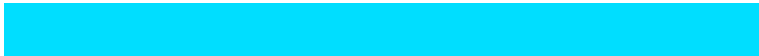
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2378, 38.0607, 66.1805



44.1847, 59.4893, 103.7616



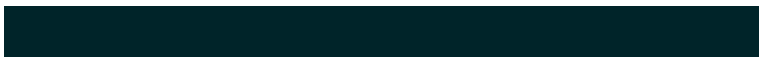
14.3891, 10.3632, 61.5643



12.0226, 13.1355, 15.1454



17.4603, 23.5671, 40.8211



1.0134, 1.3921, 2.2949

Inverse Universe

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



34.7391, 16.9341, 45.6948



54.4316, 26.5366, 71.3959



34.1328, 29.2310, 3.8447



12.2423, 11.9817, 14.5519



21.4439, 10.4504, 28.3072



1.2178, 0.5918, 1.6816

Previews

White Background



This preview shows how the XYZ color 28.2366, 38.0593, 66.1796 looks on a white background.

Color Contrast Check

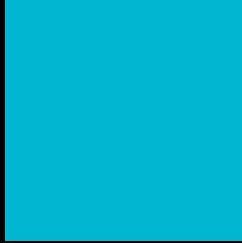
Large Text (above 18pt) WCAG AA × Fail

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 28.2366, 38.0593, 66.1796 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

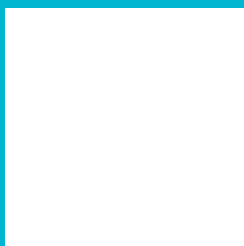
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2366, 38.0593, 66.1796

Background



This preview shows how black text looks on a background with the XYZ color 28.2366, 38.0593, 66.1796.



This preview shows how white text looks on a background with the XYZ color 28.2366, 38.0593,

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

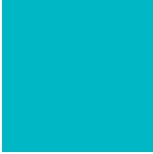
28.2366, 38.0593, 66.1796

Protanopia

37.1615, 37.4490, 57.4943

Deuteranopia

38.5755, 37.6643, 68.8551



Tritanopia

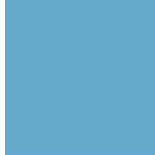
27.1265, 37.9442, 59.3203

Trichromacy



Original Color

28.2366, 38.0593, 66.1796



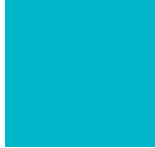
Protanomaly

30.2842, 35.7332, 60.5594



Deuteranomaly

31.2172, 35.7820, 67.5487



Tritanomaly

27.5942, 38.1312, 61.7828

Monochromacy



Original Color

28.2366, 38.0593, 66.1796



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.7316, 26.1549, 36.7566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2366, 38.0593, 66.1796 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(0, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 209)  
}
```

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(0, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.2366, 38.0593, 66.1796 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(0, 182, 209) }
```


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

```
.border{ border-color:rgb(0, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2366, 38.0593, 66.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 209) }
```

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

```
.background{ background-color: rgb(0, 182,  
209) }
```

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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