

Converting Colors

XYZ(28.5417, 38.1648, 66.1846)

Have a look what the booklet for
XYZ(28.5417, 38.1648, 66.1846)
contains.

XYZ(28.5674, 38.2299, 66.1951)	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(28.5674, 38.2299,
66.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	16B6D1
RGB	22, 182, 209
RGB Percent	9%, 71%, 82%
CMY	0.9136, 0.2863, 0.1804
CMYK	0.89, 0.13, 0.00, 0.18
HSL	189°, 81%, 45%
HSV	189°, 89%, 82%
XYZ	28.5674, 38.2299, 66.1951
YIQ	137.2380, -104.0270, -25.5230

Conversions

Conversions Part 2

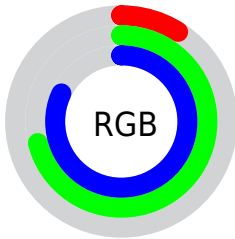
Format	Color
RYB	22, 108, 209
Decimal	1488593
CIELab	68.19, -27.96, -24.27
CIELCh	68, 37.028, 220.961
Yxy	38.2299, 0.2148, 0.2875
Android (android.graphics.Color)	4279678673 (0xFF16B6D1)
YUV	137.2380, 35.3787, -101.0637
Hunter-Lab	61.8303, -25.7309, -20.1942

Details

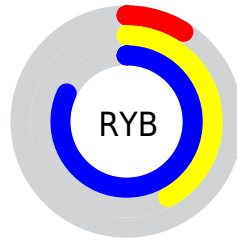
The XYZ color **28.5674, 38.2299, 66.1951** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.5392, 15.8121, 2.3609**, and the grayscale version is **23.7696, 25.0075, 27.2331**.

A 20% lighter version of the original color is **54.8089, 71.5572, 105.5309**, and **13.7667, 18.0671, 33.7721** is the 20% darker color. If you saturate the color by 10%, you get **27.6399, 36.8448, 65.9774**, and if you desaturate by 10%, it is **29.8551, 39.8219, 66.4353**.

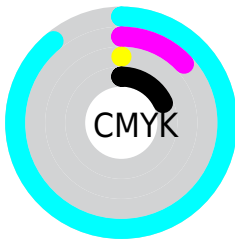
Distribution



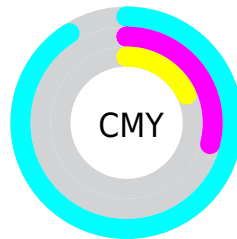
- Red (9%)
- Green (71%)
- Blue (82%)



- Red (9%)
- Yellow (42%)
- Blue (82%)



- Cyan (89%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (91%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5674, 38.2299, 66.1951 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 28.5674, 38.2299, 66.1951 by changing the saturation by 10% instead.

■ 28.5674, 38.2299,
66.1951

■ 28.5674, 38.2299,
66.1951

287.1995,
338.6052, 465.4976

■ 18.8964, 26.1612,
47.9733

■ 56.7914, 72.4604,
115.3960

■ 11.6990, 16.9443,
33.4459

■ 76.0751, 95.3909,
147.2122

■ 6.6098, 10.1948,
22.1944

■ 99.2939, 122.7108,
184.3969

■ 3.2635, 5.5283,
13.8001

■ 126.8129,
154.8046, 227.3687

■ 1.2946, 2.5604,
7.8446

■ 158.9976,
192.0564, 276.5461

■ 0.1792, 0.9068,
3.9093

196.2134,

■ 0.0000, 0.0000,

234.8509, 332.3477

1.5757

238.8256,
283.5724, 395.1920

■ 0.0000, 0.0000,
0.2734

■ 0.0000, 0.0000,
0.0000

■ 28.5674, 38.2299,
66.1951

■ 28.5674, 38.2299,
66.1951

■ 27.6399, 36.8448,
65.9774

■ 29.8551, 39.8219,
66.4353

■ 27.5933, 36.7725,
65.9659

■ 31.6032, 41.6704,
66.6999

■ 33.8732, 43.8081,
66.9929

■ 36.7165, 46.2613,
67.3166

■ 40.1778, 49.0535,
67.6731

■ 44.2976, 52.2054,
68.0643

■ 49.1127, 55.7364,
68.4921

■ 54.6575, 59.6640,
68.9579

■ 60.9636, 64.0049,
69.4634

Harmonies

Analogous

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



26.4737, 38.2299, 47.9813



28.5674, 38.2299, 66.1951



32.8274, 38.2299, 79.5835

Triad

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



28.5674, 38.2299, 66.1951



47.8976, 38.2299, 52.9062



34.2622, 38.2299, 17.5301

Complementary

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



28.5674, 38.2299, 66.1951



27.5392, 15.8121, 2.3609

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.



40.0869, 38.2299, 18.1908



28.5674, 38.2299, 66.1951



48.3868, 38.2299, 35.8580

Square

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



28.5674, 38.2299, 66.1951



44.1266, 38.2299, 70.6131



45.3998, 38.2299, 24.0407



29.5217, 38.2299, 21.9065

Rectangle

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



28.5674, 38.2299, 66.1951



36.5232, 38.2299, 82.2911



45.3998, 38.2299, 24.0407



36.1502, 38.2299, 17.2081

Sweetspot

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



28.5686, 38.2313, 66.1960



71.0062, 83.0180, 106.8894



23.6444, 45.9773, 10.3129



14.6775, 17.3803, 22.8311



0.0000, 0.0000, 0.0000



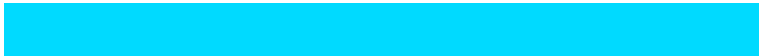
20.3446, 21.4041, 23.3091

Same Dimension

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



28.5686, 38.2313, 66.1960



43.1678, 57.4556, 103.4226



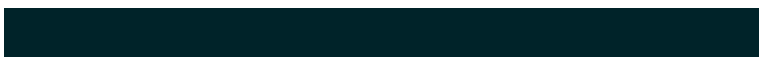
15.5457, 12.1854, 61.8551



12.0068, 13.1039, 15.1401



17.0688, 22.7843, 40.6907



0.9951, 1.3554, 2.2887

Inverse Universe

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



35.0260, 17.5077, 45.7906



53.9183, 26.3313, 68.6931



35.8829, 32.4994, 5.1421



12.2343, 11.9785, 14.5098



21.2463, 10.3714, 27.2669



1.2085, 0.5881, 1.6328

Previews

White Background



This preview shows how the XYZ color 28.5674, 38.2299, 66.1951 looks on a white background.

Color Contrast Check

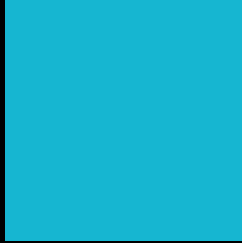
Large Text (above 18pt) WCAG AA × Fail

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 28.5674, 38.2299, 66.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

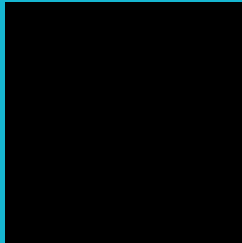
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5674, 38.2299, 66.1951

Background



This preview shows how black text looks on a background with the XYZ color 28.5674, 38.2299, 66.1951.

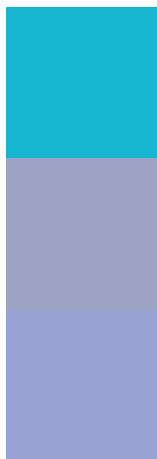


This preview shows how white text looks on a background with the XYZ color 28.5674, 38.2299,

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

28.5674, 38.2299, 66.1951

Protanopia

37.3398, 37.8055, 57.5537

Deuteranopia

38.4481, 37.6133, 68.1845



Tritanopia

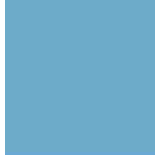
27.1265, 37.9442, 59.3203

Trichromacy



Original Color

28.5674, 38.2299, 66.1951



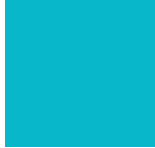
Protanomaly

31.4122, 36.5941, 60.6661



Deuteranomaly

32.1350, 36.2552, 67.5916



Tritanomaly

27.6943, 38.1829, 61.7875

Monochromacy



Original Color

28.5674, 38.2299, 66.1951



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.7214, 27.8597, 38.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5674, 38.2299, 66.1951 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(22, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 182, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.5674, 38.2299, 66.1951 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(22, 182, 209) }
```


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

```
.border{ border-color:rgb(22, 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(22, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(22, 182,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5674, 38.2299, 66.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 182, 209) }
```

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

```
.background{ background-color: rgb(22, 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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