

Converting Colors

XYZ(28.1733, 36.5760, 64.3050)

Have a look what the booklet for
XYZ(28.1733, 36.5760, 64.3050)
contains.

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Color

**XYZ(28.2035, 36.5777,
64.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	30B1CF
RGB	48, 177, 207
RGB Percent	19%, 69%, 81%
CMY	0.8117, 0.3059, 0.1882
CMYK	0.77, 0.14, 0.00, 0.19
HSL	191°, 62%, 50%
HSV	191°, 77%, 81%
XYZ	28.2035, 36.5777, 64.6052
YIQ	141.8490, -86.5140, -18.0180

Conversions

Conversions Part 2

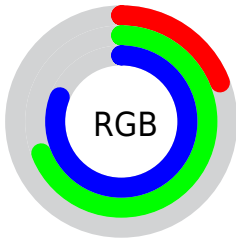
Format	Color
RYB	48, 119, 207
Decimal	3191247
CIELab	66.96, -24.09, -25.03
CIElCh	67, 34.735, 226.100
Yxy	36.5777, 0.2180, 0.2827
Android (android.graphics.Color)	4281381327 (0xFF30B1CF)
YUV	141.8490, 32.1194, -82.3056
Hunter-Lab	60.4795, -22.5989, -20.9989

Details

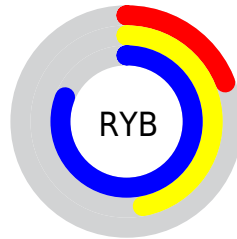
The XYZ color **28.2035, 36.5777, 64.6052** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle muted azure. A complement of this color would be **28.9912, 18.9291, 4.9231**, and the grayscale version is **25.5548, 26.8856, 29.2785**.

A 20% lighter version of the original color is **54.7967, 69.4198, 105.1190**, and **12.9574, 16.7152, 32.6804** is the 20% darker color. If you saturate the color by 10%, you get **26.6850, 34.6667, 64.3171**, and if you desaturate by 10%, it is **30.2016, 38.7702, 64.9238**.

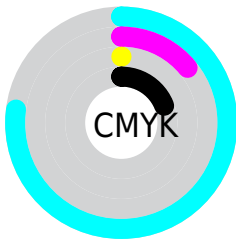
Distribution



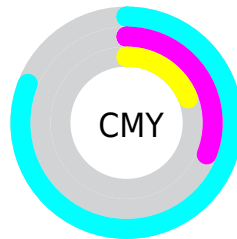
- Red (19%)
- Green (69%)
- Blue (81%)



- Red (19%)
- Yellow (47%)
- Blue (81%)



- Cyan (77%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2035, 36.5777, 64.6052 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 28.2035, 36.5777, 64.6052 by changing the saturation by 10% instead.

■ 28.2035, 36.5777,
64.6052

■ 28.2035, 36.5777,
64.6052

285.5005,
331.4786, 459.6392

■ 18.6204, 24.8807,
46.6917

■ 56.2155, 69.9228,
113.0899

■ 11.4987, 15.9882,
32.4394

■ 75.3752, 92.3397,
144.4982

■ 6.4730, 9.5158,
21.4298

■ 98.4576, 119.0987,
181.2418

■ 3.1782, 5.0791,
13.2442

■ 125.8284,
150.5841, 223.7394

■ 1.2487, 2.2938,
7.4642

■ 157.8526,
187.1804, 272.4093

■ 0.1443, 0.7704,
3.6713

194.8959,

■ 0.0000, 0.0000,

229.2720, 327.6703

1.4468

237.3234,
277.2433, 389.9407

■ 0.0000, 0.0000,
0.1778

■ 0.0000, 0.0000,
0.0000

■ 28.2035, 36.5777,
64.6052

■ 28.2035, 36.5777,
64.6052

■ 26.6850, 34.6667,
64.3171

■ 30.2016, 38.7702,
64.9238

■ 25.5689, 32.9949,
64.0532

■ 32.7320, 41.2694,
65.2728

■ 25.2549, 32.4897,
63.9722

■ 35.8442, 44.1019,
65.6555

■ 39.5807, 47.2898,
66.0739

■ 43.9801, 50.8533,
66.5298

■ 49.0778, 54.8108,
67.0251

■ 54.9067, 59.1796,
67.5611

■ 61.4973, 63.9757,
68.1395

■ 68.8786, 69.2142,
68.7616

Harmonies

Analogous

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



25.9123, 36.5777, 48.4270



28.2035, 36.5777, 64.6052



32.3885, 36.5777, 75.1534

Triad

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



28.2035, 36.5777, 64.6052



45.5570, 36.5777, 47.2119



32.0315, 36.5777, 17.9482

Complementary

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



28.2035, 36.5777, 64.6052



28.9912, 18.9291, 4.9231

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.



37.2571, 36.5777, 17.7793



28.2035, 36.5777, 64.6052



45.4366, 36.5777, 32.3105

Square

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



28.2035, 36.5777, 64.6052



42.5889, 36.5777, 63.5242



42.2749, 36.5777, 22.3651



27.9650, 36.5777, 22.9054

Rectangle

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



28.2035, 36.5777, 64.6052



35.8537, 36.5777, 76.2050



42.2749, 36.5777, 22.3651



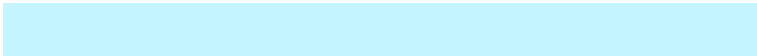
33.7006, 36.5777, 17.3819

Sweetspot

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



28.2047, 36.5790, 64.6061



73.2369, 83.6643, 106.8966



24.8777, 45.7929, 14.5783



15.0659, 17.4279, 22.8198



0.0000, 0.0000, 0.0000



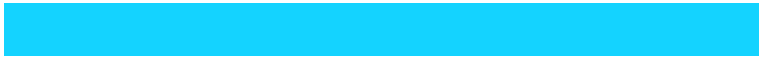
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2047, 36.5790, 64.6061



41.5753, 53.8302, 102.8068



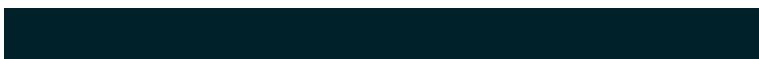
16.8832, 13.9361, 60.8323



11.9609, 13.0120, 15.1248



15.9770, 20.6006, 40.3267



0.9434, 1.2521, 2.2715

Inverse Universe

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



34.7259, 18.5547, 43.3475



53.2220, 26.4644, 63.7574



38.2647, 37.4761, 8.0143



12.2111, 11.9692, 14.3877



20.6952, 10.1509, 24.3647



1.1824, 0.5777, 1.4955

Previews

White Background



This preview shows how the XYZ color 28.2035, 36.5777, 64.6052 looks on a white background.

Color Contrast Check

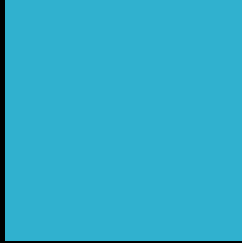
Large Text (above 18pt) WCAG AA × Fail

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 28.2035, 36.5777, 64.6052 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

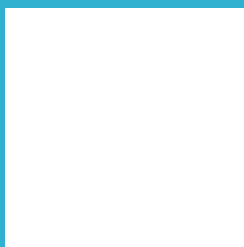
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2035, 36.5777, 64.6052

Background



This preview shows how black text looks on a background with the XYZ color 28.2035, 36.5777, 64.6052.

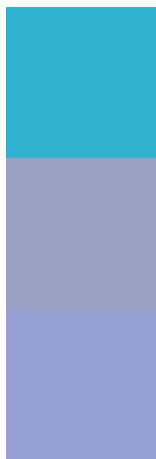


This preview shows how white text looks on a background with the XYZ color 28.2035, 36.5777,

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

28.2035, 36.5777, 64.6052

Protanopia

35.7476, 35.9518, 56.6850

Deuteranopia

36.9185, 36.0787, 66.6461



Tritanopia

26.5508, 36.4926, 56.6833

Trichromacy



Original Color

28.2035, 36.5777, 64.6052



Protanomaly

31.0153, 35.0408, 59.1617



Deuteranomaly

32.2085, 35.5030, 66.1280



Tritanomaly

27.1043, 36.4154, 59.6332

Monochromacy



Original Color

28.2035, 36.5777, 64.6052



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.7886, 29.3840, 40.4416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2035, 36.5777, 64.6052 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(48, 177, 207)` looks like.

```
.text, #text, p{  
    color:rgb(48, 177, 207)  
}
```

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(48, 177, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 177, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.2035, 36.5777, 64.6052 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(48, 177, 207) }
```


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

```
.border{ border-color:rgb(48, 177, 207) }
```

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

Here you see how a box with a 4 pixel rgb(48, 177, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 177, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 177, 207);  
box-shadow:4px 4px 4px 4px rgb(48, 177,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2035, 36.5777, 64.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 177, 207) }
```

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

```
.background{ background-color: rgb(48, 177,  
207) }
```

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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