

Converting Colors

XYZ(28.5727, 36.7096, 64.4469)

Have a look what the booklet for
XYZ(28.5727, 36.7096, 64.4469)
contains.

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Color

**XYZ(28.6720, 36.8191,
64.6271)**

Conversions

Conversions Part 1

Format	Color
Hex	39B1CF
RGB	57, 177, 207
RGB Percent	22%, 69%, 81%
CMY	0.7764, 0.3059, 0.1882
CMYK	0.72, 0.14, 0.00, 0.19
HSL	192°, 61%, 52%
HSV	192°, 72%, 81%
XYZ	28.6720, 36.8191, 64.6271
YIQ	144.5400, -81.1500, -16.1100

Conversions

Conversions Part 2

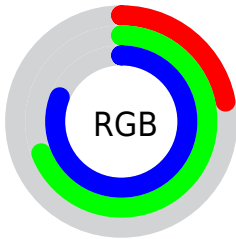
Format	Color
RYB	57, 124, 207
Decimal	3781071
CIELab	67.14, -23.03, -24.73
CIELCh	67, 33.797, 227.037
Yxy	36.8191, 0.2204, 0.2830
Android (android.graphics.Color)	4281971151 (0xFF39B1CF)
YUV	144.5400, 30.7928, -76.7726
Hunter-Lab	60.6787, -21.8427, -20.6729

Details

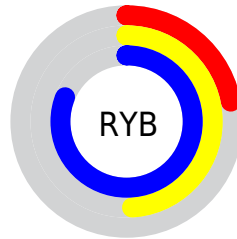
The XYZ color **28.6720, 36.8191, 64.6271** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle muted azure. A complement of this color would be **29.8803, 20.3791, 6.2311**, and the grayscale version is **26.6318, 28.0187, 30.5124**.

A 20% lighter version of the original color is **55.5011, 69.7829, 105.1520**, and **12.9574, 16.7152, 32.6804** is the 20% darker color. If you saturate the color by 10%, you get **26.9182, 34.7200, 64.3151**, and if you desaturate by 10%, it is **30.9338, 39.2183, 64.9717**.

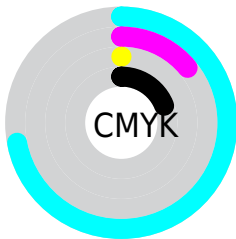
Distribution



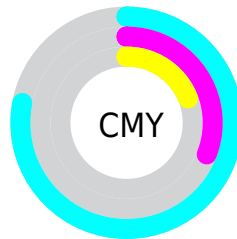
- Red (22%)
- Green (69%)
- Blue (81%)



- Red (22%)
- Yellow (49%)
- Blue (81%)



- Cyan (72%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (78%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6720, 36.8191, 64.6271 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 28.6720, 36.8191, 64.6271 by changing the saturation by 10% instead.

■ 28.6720, 36.8191,
64.6271

■ 28.6720, 36.8191,
64.6271

287.6864,
332.5267, 459.7202

■ 18.9759, 25.0675,
46.7093

■ 56.9567, 70.2945,
113.1217

■ 11.7567, 16.1273,
32.4532

■ 76.2760, 92.7870,
144.5356

■ 6.6493, 9.6143,
21.4402

■ 99.5338, 119.6286,
181.2854

■ 3.2881, 5.1440,
13.2518

■ 127.0953,
151.2037, 223.7895

■ 1.3079, 2.3320,
7.4694

■ 159.3260,
187.8966, 272.4665

■ 0.1891, 0.7906,
3.6745

196.5911,

■ 0.0000, 0.0000,

230.0918, 327.7349

1.4485

239.2562,
278.1737, 390.0133

■ 0.0000, 0.0000,
0.1791

■ 0.0000, 0.0000,
0.0000

■ 28.6720, 36.8191,
64.6271

■ 28.6720, 36.8191,
64.6271

■ 26.9182, 34.7200,
64.3151

■ 30.9338, 39.2183,
64.9717

■ 25.6060, 32.8844,
64.0299

■ 33.7523, 41.9410,
65.3487

■ 24.8262, 31.6322,
63.8293

■ 37.1744, 45.0122,
65.7611

■ 41.2408, 48.4534,
66.2110

■ 45.9886, 52.2840,
66.7001

■ 51.4522, 56.5219,
67.2302

■ 57.6632, 61.1839,
67.8027

■ 64.6518, 66.2856,
68.4191

■ 72.4460, 71.8420,
69.0808

Harmonies

Analogous

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



26.3567, 36.8191, 48.9852



28.6720, 36.8191, 64.6271



32.8211, 36.8191, 74.5589

Triad

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



28.6720, 36.8191, 64.6271



45.5583, 36.8191, 46.7928



32.1739, 36.8191, 18.6304

Complementary

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



28.6720, 36.8191, 64.6271



29.8803, 20.3791, 6.2311

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.



37.2638, 36.8191, 18.3191



28.6720, 36.8191, 64.6271



45.3414, 36.8191, 32.3422

Square

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



28.6720, 36.8191, 64.6271



42.7527, 36.8191, 62.6867



42.1863, 36.8191, 22.7131



28.2383, 36.8191, 23.7033

Rectangle

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



28.6720, 36.8191, 64.6271



36.2226, 36.8191, 75.3313



42.1863, 36.8191, 22.7131



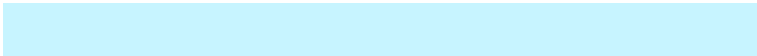
33.7963, 36.8191, 18.0187

Sweetspot

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



28.6732, 36.8204, 64.6280



73.8611, 83.9173, 106.9125



25.7218, 46.1846, 16.5777



15.3371, 17.5867, 22.8362



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.



28.6732, 36.8204, 64.6280



41.8842, 53.9501, 102.8136



17.7028, 14.8796, 60.9712



11.9492, 12.9886, 15.1209



15.7096, 20.0657, 40.2376



0.9307, 1.2265, 2.2673

Inverse Universe

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



35.1322, 19.3674, 43.4828



53.4994, 27.0406, 63.7839



39.3923, 39.4032, 9.4018



12.2052, 11.9668, 14.3566



20.5602, 10.0969, 23.6539



1.1760, 0.5751, 1.4616

Previews

White Background



This preview shows how the XYZ color 28.6720, 36.8191, 64.6271 looks on a white background.

Color Contrast Check

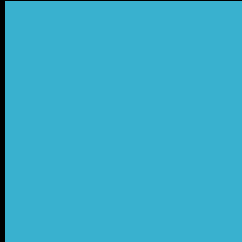
Large Text (above 18pt) WCAG AA × Fail

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 28.6720, 36.8191, 64.6271 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 28.6720, 36.8191, 64.6271

Background



This preview shows how black text looks on a background with the XYZ color 28.6720, 36.8191, 64.6271.

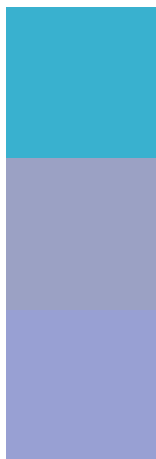


This preview shows how white text looks on a background with the XYZ color 28.6720, 36.8191,

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

28.6720, 36.8191, 64.6271

Protanopia

36.2262, 36.4438, 57.3496

Deuteranopia

37.2776, 36.5202, 66.7124



Tritanopia

27.0300, 36.7396, 56.7058

Trichromacy



Original Color

28.6720, 36.8191, 64.6271

Protanomaly

31.8518, 35.7295, 59.8613

Deuteranomaly

32.6052, 35.7075, 66.1465

Tritanomaly

27.5944, 36.6681, 59.6561

Monochromacy



Original Color

28.6720, 36.8191, 64.6271

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.9349, 30.4518, 41.5567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6720, 36.8191, 64.6271 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(57, 177, 207)` looks like.

```
.text, #text, p{  
    color:rgb(57, 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(57, 177, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 177, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.6720, 36.8191, 64.6271 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(57, 177, 207) }
```


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

```
.border{ border-color:rgb(57, 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(57, 177, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 177, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 177, 207);  
box-shadow:4px 4px 4px 4px rgb(57, 177,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6720, 36.8191, 64.6271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 177, 207) }
```

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

```
.background{ background-color: rgb(57, 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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