

Converting Colors

XYZ(30.8280, 42.8720, 66.9719)

Have a look what the booklet for
XYZ(30.8280, 42.8720, 66.9719)
contains.

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Color

**XYZ(30.8280, 42.8720,
66.9719)**

Conversions

Conversions Part 1

Format	Color
Hex	12C1D1
RGB	18, 193, 209
RGB Percent	7%, 76%, 82%
CMY	0.9293, 0.2431, 0.1804
CMYK	0.91, 0.08, 0.00, 0.18
HSL	185°, 84%, 45%
HSV	185°, 91%, 82%
XYZ	30.8280, 42.8720, 66.9719
YIQ	142.4990, -109.4360, -32.1240

Conversions

Conversions Part 2

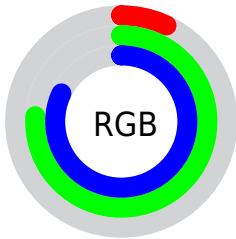
Format	Color
RYB	18, 109, 209
Decimal	1229265
CIELab	71.47, -33.48, -19.28
CIELCh	71, 38.636, 209.937
Yxy	42.8720, 0.2191, 0.3048
Android (android.graphics.Color)	4279419345 (0xFF12C1D1)
YUV	142.4990, 32.7850, -109.1856
Hunter-Lab	65.4767, -30.5422, -14.8102

Details

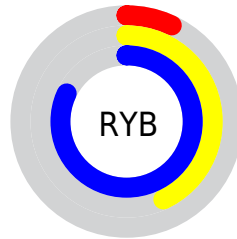
The XYZ color **30.8280, 42.8720, 66.9719** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.9771, 14.7449, 1.9977**, and the grayscale version is **25.8179, 27.1624, 29.5799**.

A 20% lighter version of the original color is **58.5423, 78.8424, 106.7403**, and **15.1490, 20.8318, 34.2328** is the 20% darker color. If you saturate the color by 10%, you get **30.2472, 42.0803, 66.8505**, and if you desaturate by 10%, it is **31.8027, 43.9534, 67.1301**.

Distribution



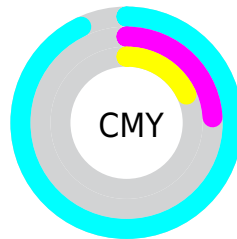
- Red (7%)
- Green (76%)
- Blue (82%)



- Red (7%)
- Yellow (43%)
- Blue (82%)



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8280, 42.8720, 66.9719 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 30.8280, 42.8720, 66.9719 by changing the saturation by 10% instead.

30.8280, 42.8720,
66.9719

30.8280, 42.8720,
66.9719

297.5862,
358.0851, 468.3435

20.6191, 29.7847,
48.6003

60.3469, 79.5177,
116.5204

12.9567, 19.6752,
33.9392

80.3875, 103.8448,
148.5344

7.4755, 12.1592,
22.5699

104.4361,
132.6874, 185.9330

3.8102, 6.8522,
14.0739

132.8581,
166.4297, 229.1348

1.5953, 3.3698,
8.0328

166.0187,
205.4563, 278.5581

0.3894, 1.3277,
4.0279

204.2834,

0.0000, 0.1625,

250.1515, 334.6217

1.6406

248.0174,
300.8996, 397.7440

■ 0.0000, 0.0000,
0.3196

■ 0.0000, 0.0000,
0.0000

■ 30.8280, 42.8720,
66.9719

■ 30.8280, 42.8720,
66.9719

■ 30.2472, 42.0803,
66.8505

■ 31.8027, 43.9534,
67.1301

■ 33.2159, 45.2667,
67.3091

■ 35.1315, 46.8459,
67.5129

■ 37.6021, 48.7182,
67.7441

■ 40.6736, 50.9070,
68.0047

■ 44.3871, 53.4338,
68.2967

■ 48.7801, 56.3178,
68.6218

■ 53.8870, 59.5768,
68.9817

■ 59.7402, 63.2275,
69.3779

Harmonies

Analogous

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



29.4609, 42.8720, 46.6408



30.8280, 42.8720, 66.9719



34.7895, 42.8720, 85.1259

Triad

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



30.8280, 42.8720, 66.9719



52.5809, 42.8720, 67.0590



40.7623, 42.8720, 19.2091

Complementary

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



30.8280, 42.8720, 66.9719



26.9771, 14.7449, 1.9977

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.



47.3520, 42.8720, 22.0050



30.8280, 42.8720, 66.9719



54.6038, 42.8720, 46.7198

Square

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



30.8280, 42.8720, 66.9719



47.3256, 42.8720, 85.1848



52.5973, 42.8720, 30.9671



34.8110, 42.8720, 21.9811

Rectangle

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



30.8280, 42.8720, 66.9719



38.5985, 42.8720, 91.6669



52.5973, 42.8720, 30.9671



42.9770, 42.8720, 19.5161

Sweetspot

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



30.8294, 42.8736, 66.9729



72.2837, 85.5729, 107.3152



23.3387, 45.8456, 9.1281



14.9839, 17.9931, 22.9332



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.



30.8294, 42.8736, 66.9729



47.3698, 65.8596, 104.8233



16.0892, 13.3932, 62.0596



12.0701, 13.2306, 15.1612



18.6847, 26.0159, 41.2293



1.0703, 1.5057, 2.3138

Inverse Universe

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



36.1376, 17.8394, 51.9924



56.0393, 27.1797, 79.8620



34.3112, 29.4131, 4.4424



12.2663, 11.9913, 14.6781



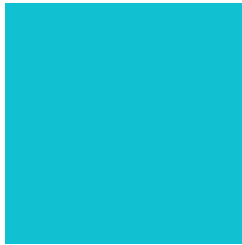
22.0619, 10.6976, 31.5617



1.2465, 0.6033, 1.8326

Previews

White Background



This preview shows how the XYZ color 30.8280, 42.8720, 66.9719 looks on a white background.

Color Contrast Check

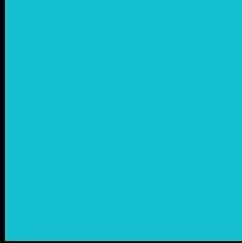
Large Text (above 18pt) WCAG AA × Fail

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 30.8280, 42.8720, 66.9719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

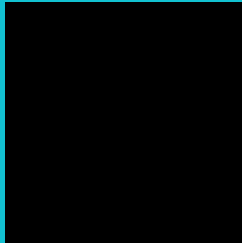
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

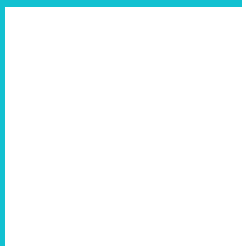
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8280, 42.8720, 66.9719

Background



This preview shows how black text looks on a background with the XYZ color 30.8280, 42.8720, 66.9719.



This preview shows how white text looks on a background with the XYZ color 30.8280, 42.8720,

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

30.8280, 42.8720, 66.9719

Protanopia

41.1804, 41.9912, 57.5644

Deuteranopia

43.0899, 42.1505, 69.4831



Tritanopia

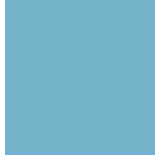
30.8098, 42.8625, 66.9711

Trichromacy



Original Color

30.8280, 42.8720, 66.9719



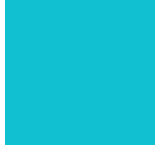
Protanomaly

33.8168, 40.4575, 60.6703



Deuteranomaly

34.8743, 40.2391, 68.2162



Tritanomaly

30.8098, 42.8625, 66.9711

Monochromacy



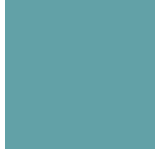
Original Color

30.8280, 42.8720, 66.9719



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.7569, 30.8764, 41.2141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8280, 42.8720, 66.9719 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(18, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(18, 193, 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(18, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 193, 209) }
```

Border

The CSS property to change the border of an element to XYZ 30.8280, 42.8720, 66.9719 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(18, 193, 209) }
```


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

```
.border{ border-color:rgb(18, 193, 209) }
```

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

Here you see how a box with a 4 pixel rgb(18, 193, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(18, 193,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8280, 42.8720, 66.9719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 193, 209) }
```

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

```
.background{ background-color: rgb(18, 193,  
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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