

Converting Colors

XYZ(19.9360, 37.0154, 68.9041)

Have a look what the booklet for
XYZ(19.9360, 37.0154, 68.9041)
contains.

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Color

**XYZ(30.8599, 42.5034,
69.5283)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0D5
RGB	0, 192, 213
RGB Percent	0%, 75%, 84%
CMY	0.9998, 0.2470, 0.1647
CMYK	1.00, 0.10, 0.00, 0.16
HSL	186°, 100%, 42%
HSV	186°, 100%, 84%
XYZ	30.8599, 42.5034, 69.5283
YIQ	136.9860, -121.1730, -34.1730

Conversions

Conversions Part 2

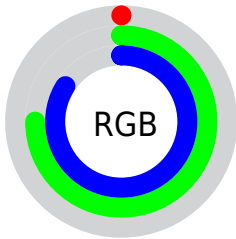
Format	Color
RYB	0, 101, 213
Decimal	49365
CIELab	71.22, -32.28, -21.85
CIELCh	71, 38.980, 214.097
Yxy	42.5034, 0.2160, 0.2975
Android (android.graphics.Color)	4278239445 (0xFF00C0D5)
YUV	136.9860, 37.4749, -120.1367
Hunter-Lab	65.1946, -29.5976, -17.5949

Details

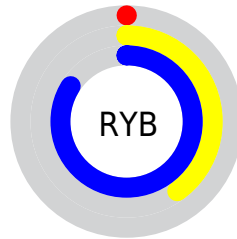
The XYZ color **30.8599, 42.5034, 69.5283** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7103, 14.6846, 1.3754**, and the grayscale version is **23.6745, 24.9075, 27.1242**.

A 20% lighter version of the original color is **57.8695, 78.0355, 106.6201**, and **15.2600, 20.6456, 35.5285** is the 20% darker color. If you saturate the color by 10%, you get **30.8595, 42.5024, 69.5289**, and if you desaturate by 10%, it is **31.6419, 43.5969, 69.6990**.

Distribution



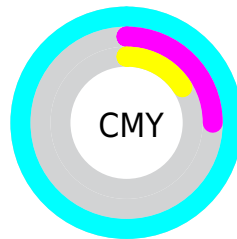
- Red (0%)
- Green (75%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8599, 42.5034, 69.5283 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 30.8599, 42.5034, 69.5283 by changing the saturation by 10% instead.

30.8599, 42.5034,
69.5283

30.8599, 42.5034,
69.5283

297.7308,
356.5655, 477.6363

20.6435, 29.4957,
50.6677

60.3968, 78.9609,
120.2106

12.9746, 19.4561,
35.5693

80.4480, 103.1795,
152.8694

7.4880, 12.0003,
23.8147

104.5081,
131.9039, 190.9646

3.8181, 6.7439,
14.9853

132.9426,
165.5183, 234.9148

1.5998, 3.3025,
8.6625

166.1167,
204.4073, 285.1385

0.3923, 1.2916,
4.4279

204.3959,

0.0000, 0.1347,

248.9553, 342.0544

1.8629

248.1455,
299.5465, 406.0808

■ 0.0000, 0.0000,
0.4690

■ 0.0000, 0.0000,
0.0000

■ 30.8599, 42.5034,
69.5283

■ 30.8599, 42.5034,
69.5283

■ 30.8595, 42.5024,
69.5289

■ 31.6419, 43.5969,
69.6990

■ 32.7779, 44.8819,
69.8871

■ 34.3852, 46.4197,
70.0992

■ 36.5276, 48.2433,
70.3383

■ 39.2592, 50.3805,
70.6069

■ 42.6272, 52.8557,
70.9071

■ 46.6741, 55.6910,
71.2411

■ 51.4387, 58.9063,
71.6106

■ 56.9569, 62.5201,
72.0173

Harmonies

Analogous

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



29.1154, 42.5034, 48.8980



30.8599, 42.5034, 69.5283



35.1534, 42.5034, 86.7884

Triad

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



30.8599, 42.5034, 69.5283



52.7893, 42.5034, 63.8488



39.5071, 42.5034, 18.8631

Complementary

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



30.8599, 42.5034, 69.5283



27.7103, 14.6846, 1.3754

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.



46.1404, 42.5034, 20.8673



30.8599, 42.5034, 69.5283



54.2737, 42.5034, 43.7552

Square

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



30.8599, 42.5034, 69.5283



47.8603, 42.5034, 82.9369



51.7236, 42.5034, 28.8934



33.7551, 42.5034, 22.4159

Rectangle

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



30.8599, 42.5034, 69.5283



39.1195, 42.5034, 92.1017



51.7236, 42.5034, 28.8934



41.7045, 42.5034, 18.9175

Sweetspot

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



30.8613, 42.5049, 69.5293



69.9256, 83.5453, 107.0481



23.9027, 47.6325, 8.4978



14.3882, 17.4808, 22.8657



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.



30.8613, 42.5049, 69.5293



46.3065, 63.7329, 104.4688



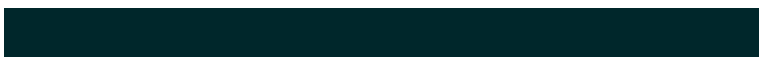
15.5652, 11.9128, 64.4306



12.6827, 13.8888, 15.9499



18.8925, 26.0467, 42.4849



1.1705, 1.6330, 2.5728

Inverse Universe

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



36.9562, 17.9533, 51.3882



55.5026, 26.9650, 77.0356



34.6830, 28.6300, 3.6996



12.8978, 12.6106, 15.4019



22.5949, 10.9743, 31.5004



1.3785, 0.6682, 1.9823

Previews

White Background



This preview shows how the XYZ color 30.8599, 42.5034, 69.5283 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 30.8599, 42.5034, 69.5283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

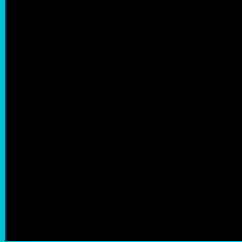
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

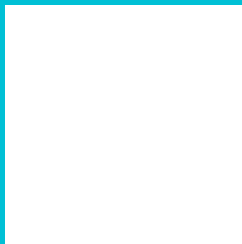
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8599, 42.5034, 69.5283

Background



This preview shows how black text looks on a background with the XYZ color 30.8599, 42.5034, 69.5283.



This preview shows how white text looks on a background with the XYZ color 30.8599, 42.5034,

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

30.8599, 42.5034, 69.5283

Protanopia

41.2098, 41.9534, 59.9587

Deuteranopia

42.9660, 42.0269, 72.1771



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

30.8599, 42.5034, 69.5283



Protanomaly

33.0826, 39.7256, 63.0509



Deuteranomaly

34.2589, 39.8628, 70.8544



Tritanomaly

30.7028, 42.7931, 67.6144

Monochromacy



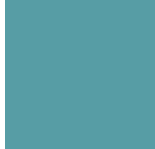
Original Color

30.8599, 42.5034, 69.5283



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.7790, 28.8568, 39.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8599, 42.5034, 69.5283 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, 192, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 213)  
}
```

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, 192, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 213) }
```

Border

The CSS property to change the border of an element to XYZ 30.8599, 42.5034, 69.5283 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, 192, 213) }
```


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

```
.border{ border-color:rgb(0, 192, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8599, 42.5034, 69.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 213) }
```

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

```
.background{ background-color: rgb(0, 192,  
213) }
```

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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