

Converting Colors

XYZ(10.9823, 32.3158, 66.1890)

Have a look what the booklet for
XYZ(10.9823, 32.3158, 66.1890)
contains.

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Color

**XYZ(30.3583, 42.3027,
66.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0D1
RGB	0, 192, 209
RGB Percent	0%, 75%, 82%
CMY	0.9998, 0.2470, 0.1804
CMYK	1.00, 0.08, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	30.3583, 42.3027, 66.8868
YIQ	136.5300, -119.8890, -35.4170

Conversions

Conversions Part 2

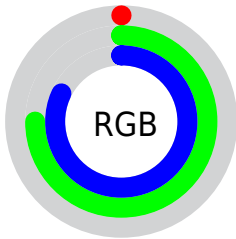
Format	Color
RYB	0, 100, 209
Decimal	49361
CIELab	71.08, -33.56, -19.88
CIELCh	71, 39.005, 210.642
Yxy	42.3027, 0.2175, 0.3031
Android (android.graphics.Color)	4278239441 (0xFF00C0D1)
YUV	136.5300, 35.7277, -119.7368
Hunter-Lab	65.0405, -30.5043, -15.4447

Details

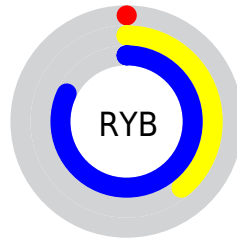
The XYZ color **30.3583, 42.3027, 66.8868** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.4964, 13.9581, 1.2992**, and the grayscale version is **23.5093, 24.7336, 26.9349**.

A 20% lighter version of the original color is **57.7514, 77.9746, 106.6145**, and **15.0049, 20.5435, 34.1848** is the 20% darker color. If you saturate the color by 10%, you get **30.3580, 42.3020, 66.8875**, and if you desaturate by 10%, it is **31.0428, 43.2139, 67.0274**.

Distribution



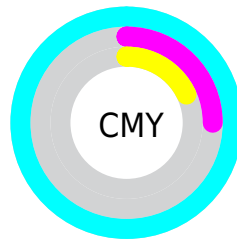
- Red (0%)
- Green (75%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3583, 42.3027, 66.8868 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 30.3583, 42.3027, 66.8868 by changing the saturation by 10% instead.


 30.3583, 42.3027,
66.8868


 30.3583, 42.3027,
66.8868


295.4510,
355.7362, 468.0322

 20.2601, 29.3384,
48.5316


 59.6111, 78.6575,
116.3973


 12.6936, 19.3370,
33.8851


 79.4964, 102.8169,
148.3897


 7.2935, 11.9140,
22.5287


 103.3749,
131.4766, 185.7649

 3.6943, 6.6851,
14.0439

 131.6118,
165.0213, 228.9415

 1.5307, 3.2660,
8.0121

 164.5725,
203.8351, 278.3380

 0.3466, 1.2721,
4.0148

202.6223,

 0.0000, 0.1195,

248.3027, 334.3729

1.6335

246.1267,
298.8082, 397.4648

■ 0.0000, 0.0000,
0.3145

■ 0.0000, 0.0000,
0.0000

■ 30.3583, 42.3027,
66.8868

■ 30.3583, 42.3027,
66.8868

■ 30.3580, 42.3020,
66.8875

■ 31.0428, 43.2139,
67.0274

■ 32.0632, 44.3038,
67.1840

■ 33.5328, 45.6317,
67.3629

■ 35.5124, 47.2290,
67.5668

■ 38.0535, 49.1223,
67.7983

■ 41.2013, 51.3348,
68.0595

■ 44.9962, 53.8875,
68.3522

■ 49.4754, 56.7995,
68.6782

■ 54.6729, 60.0883,
69.0391

Harmonies

Analogous

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



28.9307, 42.3027, 46.4638



30.3583, 42.3027, 66.8868



34.3698, 42.3027, 84.9686

Triad

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



30.3583, 42.3027, 66.8868



52.1519, 42.3027, 65.9974



40.0672, 42.3027, 18.6814

Complementary

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



30.3583, 42.3027, 66.8868



26.4964, 13.9581, 1.2992

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.



46.6713, 42.3027, 21.3218



30.3583, 42.3027, 66.8868



54.0891, 42.3027, 45.6594

Square

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



30.3583, 42.3027, 66.8868



46.9405, 42.3027, 84.3650



51.9851, 42.3027, 30.0795



34.1512, 42.3027, 21.5634

Rectangle

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



30.3583, 42.3027, 66.8868



38.2035, 42.3027, 91.3374



51.9851, 42.3027, 30.0795



42.2803, 42.3027, 18.9432

Sweetspot

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



30.3596, 42.3042, 66.8878



70.3316, 84.3574, 107.1835



22.8806, 45.6336, 8.0171



14.4868, 17.6780, 22.8986



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.



30.3596, 42.3042, 66.8878



47.5454, 66.2107, 104.8818



15.2162, 12.0174, 61.8400



12.0727, 13.2356, 15.1621



18.7521, 26.1508, 41.2518



1.0734, 1.5120, 2.3148

Inverse Universe

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



35.8101, 17.3625, 51.3345



56.1279, 27.2152, 80.3286



32.8276, 26.6205, 3.4096



12.2676, 11.9918, 14.6849



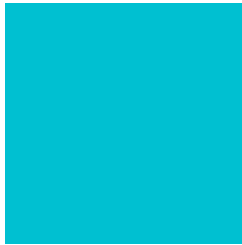
22.0959, 10.7112, 31.7409



1.2480, 0.6039, 1.8409

Previews

White Background



This preview shows how the XYZ color 30.3583, 42.3027, 66.8868 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 30.3583, 42.3027, 66.8868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

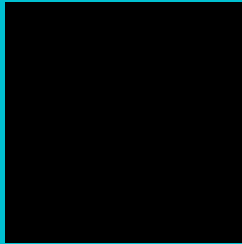
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3583, 42.3027, 66.8868

Background



This preview shows how black text looks on a background with the XYZ color 30.3583, 42.3027, 66.8868.



This preview shows how white text looks on a background with the XYZ color 30.3583, 42.3027,

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

30.3583, 42.3027, 66.8868

Protanopia

40.7754, 41.5010, 57.4912

Deuteranopia

42.6878, 41.6660, 69.4108



Tritanopia

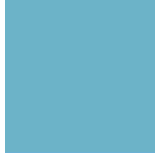
30.2348, 42.2533, 66.2367

Trichromacy



Original Color

30.3583, 42.3027, 66.8868



Protanomaly

32.7298, 39.5985, 60.5618



Deuteranomaly

33.7901, 39.3859, 68.1087



Tritanomaly

30.2348, 42.2533, 66.2367

Monochromacy



Original Color

30.3583, 42.3027, 66.8868



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.5983, 28.7845, 39.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3583, 42.3027, 66.8868 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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(0, 192, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 209) }
```

Border

The CSS property to change the border of an element to XYZ 30.3583, 42.3027, 66.8868 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, 209) }
```


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

```
.border{ border-color:rgb(0, 192, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3583, 42.3027, 66.8868 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, 209) }
```

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

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