

Converting Colors

XYZ(10.7818, 30.9173, 66.6283)

Have a look what the booklet for
XYZ(10.7818, 30.9173, 66.6283)
contains.

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Color

**XYZ(29.6161, 40.6196,
67.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCD2
RGB	0, 188, 210
RGB Percent	0%, 74%, 82%
CMY	0.9998, 0.2627, 0.1765
CMYK	1.00, 0.10, 0.00, 0.18
HSL	186°, 100%, 41%
HSV	186°, 100%, 82%
XYZ	29.6161, 40.6196, 67.2522
YIQ	134.2960, -119.1100, -33.0140

Conversions

Conversions Part 2

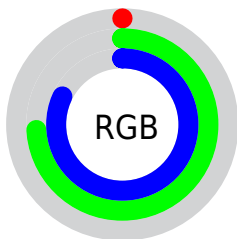
Format	Color
RYB	0, 99, 210
Decimal	48338
CIELab	69.91, -31.32, -22.21
CIELCh	70, 38.395, 215.337
Yxy	40.6196, 0.2154, 0.2954
Android (android.graphics.Color)	4278238418 (0xFF00BCD2)
YUV	134.2960, 37.3221, -117.7776
Hunter-Lab	63.7335, -28.5871, -17.9499

Details

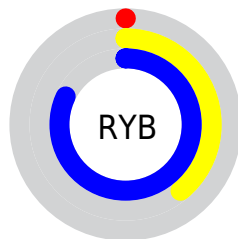
The XYZ color **29.6161, 40.6196, 67.2522** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.8668, 14.2776, 1.3413**, and the grayscale version is **22.6732, 23.8540, 25.9770**.

A 20% lighter version of the original color is **56.5281, 75.5281, 106.2068**, and **14.4415, 19.4168, 33.9970** is the 20% darker color. If you saturate the color by 10%, you get **29.6156, 40.6185, 67.2528**, and if you desaturate by 10%, it is **30.4008, 41.7281, 67.4256**.

Distribution



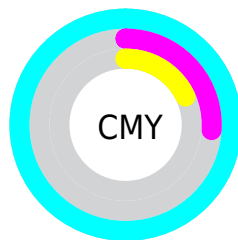
- Red (0%)
- Green (74%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6161, 40.6196, 67.2522 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 29.6161, 40.6196, 67.2522 by changing the saturation by 10% instead.

■ 29.6161, 40.6196,
67.2522

■ 29.6161, 40.6196,
67.2522

292.0529,
348.7282, 469.3679

■ 19.6940, 28.0220,
48.8267

■ 58.4453, 76.1061,
116.9258

■ 12.2798, 18.3422,
34.1174

■ 78.0832, 99.7638,
149.0110

■ 7.0081, 11.1960,
22.7057

■ 101.6903,
127.8769, 186.4865

■ 3.5135, 6.1988,
14.1731

■ 129.6321,
160.8298, 229.7709

■ 1.4308, 2.9663,
8.1010

■ 162.2739,
199.0071, 279.2827

■ 0.2780, 1.1142,
4.0710

199.9811,

■ 0.0000, 0.0000,

242.7930, 335.4404

1.6644

243.1190,
292.5719, 398.6626

■ 0.0000, 0.0000,
0.3361

■ 0.0000, 0.0000,
0.0000

■ 29.6161, 40.6196,
67.2522

■ 29.6161, 40.6196,
67.2522

■ 29.6156, 40.6185,
67.2528

■ 30.4008, 41.7281,
67.4256

■ 31.5283, 43.0232,
67.6161

■ 33.1126, 44.5645,
67.8301

■ 35.2155, 46.3840,
68.0705

■ 37.8892, 48.5085,
68.3397

■ 41.1792, 50.9616,
68.6398

■ 45.1267, 53.7646,
68.9727

■ 49.7689, 56.9367,
69.3403

■ 55.1407, 60.4959,
69.7442

Harmonies

Analogous

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



27.8423, 40.6196, 47.5045



29.6161, 40.6196, 67.2522



33.8100, 40.6196, 83.4257

Triad

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



29.6161, 40.6196, 67.2522



50.5823, 40.6196, 60.1885



37.5015, 40.6196, 18.0609

Complementary

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



29.6161, 40.6196, 67.2522



26.8668, 14.2776, 1.3413

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.



43.8390, 40.6196, 19.7563



29.6161, 40.6196, 67.2522



51.8420, 40.6196, 41.1055

Square

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



29.6161, 40.6196, 67.2522



45.9786, 40.6196, 78.6369



49.2567, 40.6196, 27.1684



32.0699, 40.6196, 21.6851

Rectangle

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



29.6161, 40.6196, 67.2522



37.6395, 40.6196, 88.1276



49.2567, 40.6196, 27.1684



39.5924, 40.6196, 18.0415

Sweetspot

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



29.6174, 40.6211, 67.2532



69.7810, 83.2562, 106.9999



23.1833, 46.1484, 8.3973



14.3531, 17.4106, 22.8540



0.0000, 0.0000, 0.0000



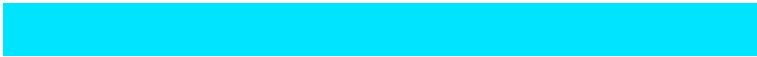
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6174, 40.6211, 67.2532



45.8708, 62.8616, 104.3236



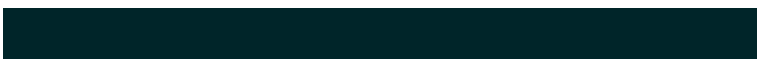
14.8064, 10.9990, 62.3162



12.0482, 13.1866, 15.1539



18.1087, 24.8640, 41.0373



1.0436, 1.4525, 2.3049

Inverse Universe

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



35.6566, 17.3339, 49.0449



55.2827, 26.8771, 75.8776



34.0425, 28.6290, 3.7332



12.2552, 11.9868, 14.6197



21.7712, 10.5813, 30.0309



1.2330, 0.5979, 1.7618

Previews

White Background



This preview shows how the XYZ color 29.6161, 40.6196, 67.2522 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 29.6161, 40.6196, 67.2522 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

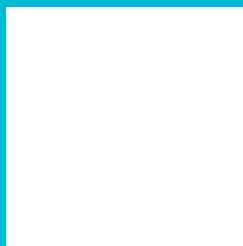
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6161, 40.6196, 67.2522

Background



This preview shows how black text looks on a background with the XYZ color 29.6161, 40.6196, 67.2522.



This preview shows how white text looks on a background with the XYZ color 29.6161, 40.6196,

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

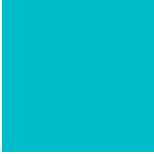
29.6161, 40.6196, 67.2522

Protanopia

39.3905, 39.9290, 58.4543

Deuteranopia

41.0062, 39.9653, 69.8428



Tritanopia

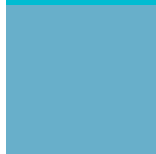
29.0967, 40.7548, 63.4597

Trichromacy



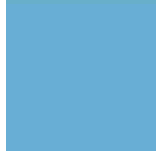
Original Color

29.6161, 40.6196, 67.2522



Protanomaly

31.6996, 37.8673, 61.5155



Deuteranomaly

32.8552, 38.0193, 68.5576



Tritanomaly

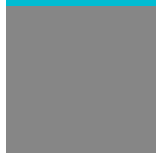
29.3382, 40.8514, 64.7313

Monochromacy



Original Color

29.6161, 40.6196, 67.2522



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.8235, 27.6511, 38.3694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6161, 40.6196, 67.2522 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, 188, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 210)  
}
```

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, 188, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.6161, 40.6196, 67.2522 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, 188, 210) }
```


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

```
.border{ border-color:rgb(0, 188, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 188, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 188, 210); box-shadow:4px 4px 4px 4px rgb(0, 188, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6161, 40.6196, 67.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 210) }
```

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

```
.background{ background-color: rgb(0, 188,  
210) }
```

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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