

Converting Colors

XYZ(21.2941, 36.3847, 67.6159)

Have a look what the booklet for
XYZ(21.2941, 36.3847, 67.6159)
contains.

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Color

**XYZ(29.7411, 40.6696,
67.9105)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCD3
RGB	0, 188, 211
RGB Percent	0%, 74%, 83%
CMY	0.9998, 0.2627, 0.1725
CMYK	1.00, 0.11, 0.00, 0.17
HSL	187°, 100%, 41%
HSV	187°, 100%, 83%
XYZ	29.7411, 40.6696, 67.9105
YIQ	134.4100, -119.4310, -32.7030

Conversions

Conversions Part 2

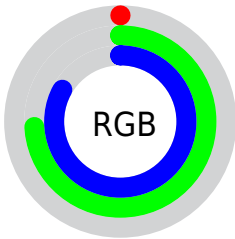
Format	Color
RYB	0, 99, 211
Decimal	48339
CIELab	69.94, -31.00, -22.70
CIELCh	70, 38.420, 216.216
Yxy	40.6696, 0.2150, 0.2940
Android (android.graphics.Color)	4278238419 (0xFF00BCD3)
YUV	134.4100, 37.7589, -117.8776
Hunter-Lab	63.7727, -28.3569, -18.4960

Details

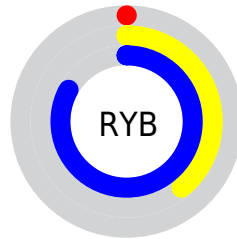
The XYZ color **29.7411, 40.6696, 67.9105** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **27.1719, 14.4639, 1.3611**, and the grayscale version is **22.7136, 23.8965, 26.0233**.

A 20% lighter version of the original color is **56.5281, 75.5281, 106.2068**, and **14.5258, 19.4505, 34.4412** is the 20% darker color. If you saturate the color by 10%, you get **29.7406, 40.6684, 67.9111**, and if you desaturate by 10%, it is **30.5496, 41.8226, 68.0912**.

Distribution



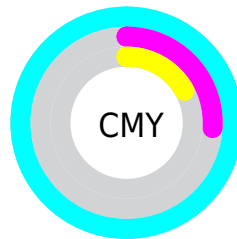
- Red (0%)
- Green (74%)
- Blue (83%)



- Red (0%)
- Yellow (39%)
- Blue (83%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7411, 40.6696, 67.9105 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 29.7411, 40.6696, 67.9105 by changing the saturation by 10% instead.

■ 29.7411, 40.6696,
67.9105

■ 29.7411, 40.6696,
67.9105

292.6273,
348.9378, 471.7683

■ 19.7893, 28.0610,
49.3587

■ 58.6419, 76.1821,
117.8771

■ 12.3493, 18.3717,
34.5365

■ 78.3217, 99.8548,
150.1290

■ 7.0559, 11.2171,
23.0254

■ 101.9747,
127.9843, 187.7846

■ 3.5437, 6.2131,
14.4068

■ 129.9664,
160.9550, 231.2626

■ 1.4474, 2.9751,
8.2621

■ 162.6622,
199.1513, 280.9814

■ 0.2896, 1.1187,
4.1730

200.4274,

■ 0.0000, 0.0000,

242.9576, 337.3596

1.7207

243.6273,
292.7583, 400.8157

■ 0.0000, 0.0000,
0.3749

■ 0.0000, 0.0000,
0.0000

■ 29.7411, 40.6696,
67.9105

■ 29.7411, 40.6696,
67.9105

■ 29.7406, 40.6684,
67.9111

■ 30.5496, 41.8226,
68.0912

■ 31.7055, 43.1655,
68.2895

■ 33.3239, 44.7587,
68.5117

■ 35.4673, 46.6342,
68.7608

■ 38.1884, 48.8194,
69.0391

■ 41.5333, 51.3381,
69.3490

■ 45.5437, 54.2118,
69.6923

■ 50.2574, 57.4600,
70.0708

■ 55.7095, 61.1010,
70.4863

Harmonies

Analogous

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



27.8892, 40.6696, 48.1178



29.7411, 40.6696, 67.9105



34.0049, 40.6696, 83.8719

Triad

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



29.7411, 40.6696, 67.9105



50.7386, 40.6696, 59.6765



37.3675, 40.6696, 18.1078

Complementary

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



29.7411, 40.6696, 67.9105



27.1719, 14.4639, 1.3611

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.



43.7113, 40.6696, 19.6496



29.7411, 40.6696, 67.9105



51.8868, 40.6696, 40.6562

Square

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



29.7411, 40.6696, 67.9105



46.2057, 40.6696, 78.2908



49.1932, 40.6696, 26.8895



31.9757, 40.6696, 21.9003

Rectangle

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



29.7411, 40.6696, 67.9105



37.8670, 40.6696, 88.3111



49.1932, 40.6696, 26.8895



39.4543, 40.6696, 18.0377

Sweetspot

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



29.7424, 40.6711, 67.9115



69.6818, 83.0578, 106.9669



23.4319, 46.6441, 8.4848



14.3290, 17.3625, 22.8460



0.0000, 0.0000, 0.0000



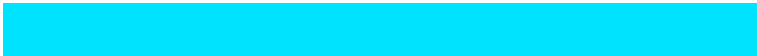
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7424, 40.6711, 67.9115



45.5735, 62.2671, 104.2245



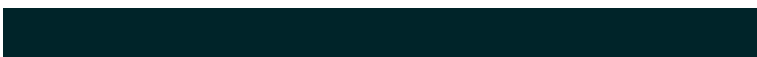
14.9625, 11.1112, 62.9849



12.0437, 13.1777, 15.1524



17.9945, 24.6355, 40.9992



1.0383, 1.4419, 2.3031

Inverse Universe

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



35.9422, 17.4811, 49.0582



55.1326, 26.8170, 75.0875



34.4051, 28.9301, 3.7722



12.2530, 11.9859, 14.6079



21.7135, 10.5582, 29.7271



1.2303, 0.5969, 1.7477

Previews

White Background



This preview shows how the XYZ color 29.7411, 40.6696, 67.9105 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 29.7411, 40.6696, 67.9105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

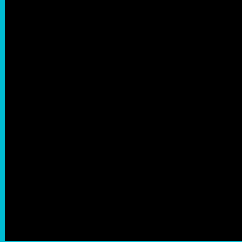
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

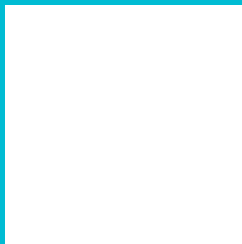
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7411, 40.6696, 67.9105

Background



This preview shows how black text looks on a background with the XYZ color 29.7411, 40.6696, 67.9105.



This preview shows how white text looks on a background with the XYZ color 29.7411, 40.6696,

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

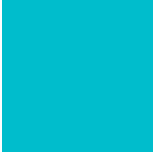
29.7411, 40.6696, 67.9105

Protanopia

39.5055, 39.9750, 59.0599

Deuteranopia

41.1137, 40.2767, 70.5730



Tritanopia

29.0967, 40.7548, 63.4597

Trichromacy



Original Color

29.7411, 40.6696, 67.9105



Protanomaly

31.8184, 37.9148, 62.1412



Deuteranomaly

33.0611, 38.3985, 69.2875



Tritanomaly

29.4601, 40.9002, 65.3733

Monochromacy



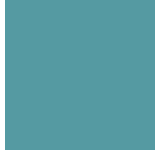
Original Color

29.7411, 40.6696, 67.9105



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 29.7411, 40.6696, 67.9105 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 211) }
```

Border

The CSS property to change the border of an element to XYZ 29.7411, 40.6696, 67.9105 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, 211) }
```


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

```
.border{ border-color:rgb(0, 188, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7411, 40.6696, 67.9105 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, 211) }
```

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

```
.background{ background-color: rgb(0, 188,  
211) }
```

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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