

Converting Colors

XYZ(9.3259, 30.2303, 65.1239)

Have a look what the booklet for
XYZ(9.3259, 30.2303, 65.1239)
contains.

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Color

**XYZ(29.3684, 40.5205,
65.9479)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCD0
RGB	0, 188, 208
RGB Percent	0%, 74%, 82%
CMY	0.9998, 0.2627, 0.1843
CMYK	1.00, 0.10, 0.00, 0.18
HSL	186°, 100%, 41%
HSV	186°, 100%, 82%
XYZ	29.3684, 40.5205, 65.9479
YIQ	134.0680, -118.4680, -33.6360

Conversions

Conversions Part 2

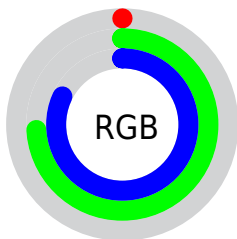
Format	Color
RYB	0, 99, 208
Decimal	48336
CIELab	69.84, -31.97, -21.22
CIELCh	70, 38.369, 213.575
Yxy	40.5205, 0.2162, 0.2983
Android (android.graphics.Color)	4278238416 (0xFF00BCD0)
YUV	134.0680, 36.4485, -117.5776
Hunter-Lab	63.6557, -29.0442, -16.8660

Details

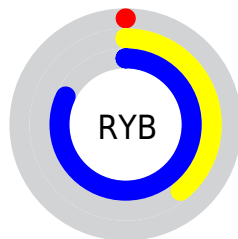
The XYZ color **29.3684, 40.5205, 65.9479** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.2641, 13.9122, 1.3025**, and the grayscale version is **22.5923, 23.7689, 25.8843**.

A 20% lighter version of the original color is **56.5281, 75.5281, 106.2068**, and **14.3578, 19.3833, 33.5565** is the 20% darker color. If you saturate the color by 10%, you get **29.3681, 40.5196, 65.9485**, and if you desaturate by 10%, it is **30.1055, 41.5401, 66.1066**.

Distribution



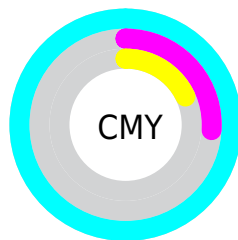
- Red (0%)
- Green (74%)
- Blue (82%)



- 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 29.3684, 40.5205, 65.9479 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 29.3684, 40.5205, 65.9479 by changing the saturation by 10% instead.

■ 29.3684, 40.5205,
65.9479

■ 29.3684, 40.5205,
65.9479

290.9122,
348.3125, 464.5897

■ 19.5054, 27.9446,
47.7739

■ 58.0554, 75.9555,
115.0378

■ 12.1422, 18.2839,
33.2891

■ 77.6101, 99.5833,
146.7909

■ 6.9135, 11.1540,
22.0751

■ 101.1260,
127.6639, 183.9073

■ 3.4539, 6.1705,
13.7133

■ 128.9686,
160.5817, 226.8057

■ 1.3981, 2.9490,
7.7850

■ 161.5031,
198.7211, 275.9046

■ 0.2549, 1.1052,
3.8719

199.0950,

■ 0.0000, 0.0000,

242.4664, 331.6225

1.5553

242.1096,
292.2021, 394.3780

■ 0.0000, 0.0000,
0.2587

■ 0.0000, 0.0000,
0.0000

■ 29.3684, 40.5205,
65.9479

■ 29.3684, 40.5205,
65.9479

■ 29.3681, 40.5196,
65.9485

■ 30.1055, 41.5401,
66.1066

■ 31.1762, 42.7397,
66.2817

■ 32.6928, 44.1780,
66.4794

■ 34.7155, 45.8861,
66.7025

■ 37.2951, 47.8903,
66.9534

■ 40.4763, 50.2135,
67.2342

■ 44.2990, 52.8765,
67.5467

■ 48.7999, 55.8981,
67.8927

■ 54.0129, 59.2959,
68.2738

Harmonies

Analogous

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



27.7500, 40.5205, 46.2944



29.3684, 40.5205, 65.9479



33.4236, 40.5205, 82.5361

Triad

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



29.3684, 40.5205, 65.9479



50.2707, 40.5205, 61.2207



37.7712, 40.5205, 17.9692

Complementary

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



29.3684, 40.5205, 65.9479



26.2641, 13.9122, 1.3025

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.



44.0956, 40.5205, 19.9726



29.3684, 40.5205, 65.9479



51.7524, 40.5205, 42.0147

Square

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



29.3684, 40.5205, 65.9479



45.5271, 40.5205, 79.3301



49.3837, 40.5205, 27.7337



32.2600, 40.5205, 21.2608

Rectangle

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



29.3684, 40.5205, 65.9479



37.1882, 40.5205, 87.7587



49.3837, 40.5205, 27.7337



39.8700, 40.5205, 18.0510

Sweetspot

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



29.3697, 40.5220, 65.9489



69.9828, 83.6597, 107.0672



22.6610, 45.1543, 8.0673



14.4020, 17.5085, 22.8704



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.



29.3697, 40.5220, 65.9489



46.4796, 64.0793, 104.5265



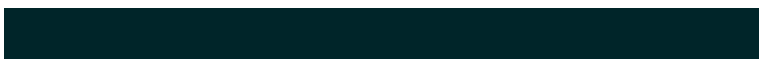
14.7696, 11.3217, 61.0822



12.0572, 13.2046, 15.1569



18.3427, 25.3320, 41.1153



1.0545, 1.4742, 2.3085

Inverse Universe

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



35.0907, 17.0421, 49.0183



55.5900, 27.0000, 77.4959



32.8936, 27.1713, 3.5123



12.2597, 11.9886, 14.6436



21.8893, 10.6286, 30.6528



1.2385, 0.6001, 1.7907

Previews

White Background



This preview shows how the XYZ color 29.3684, 40.5205, 65.9479 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 29.3684, 40.5205, 65.9479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

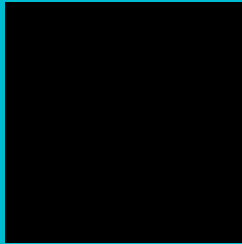
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

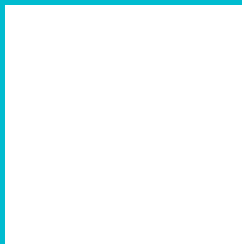
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3684, 40.5205, 65.9479

Background



This preview shows how black text looks on a background with the XYZ color 29.3684, 40.5205, 65.9479.



This preview shows how white text looks on a background with the XYZ color 29.3684, 40.5205,

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

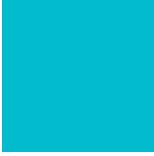
29.3684, 40.5205, 65.9479

Protanopia

39.3700, 39.9447, 57.2648

Deuteranopia

40.9563, 39.9690, 68.5070



Tritanopia

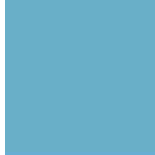
28.8823, 40.3261, 63.3882

Trichromacy



Original Color

29.3684, 40.5205, 65.9479



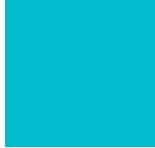
Protanomaly

31.5810, 37.8333, 60.2816



Deuteranomaly

32.6028, 37.9183, 67.2286



Tritanomaly

29.0027, 40.3742, 64.0220

Monochromacy



Original Color

29.3684, 40.5205, 65.9479



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.7349, 27.6157, 37.9030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3684, 40.5205, 65.9479 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.3684, 40.5205, 65.9479 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, 208) }
```


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

```
.border{ border-color:rgb(0, 188, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3684, 40.5205, 65.9479 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, 208) }
```

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

```
.background{ background-color: rgb(0, 188,  
208) }
```

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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