

Converting Colors

XYZ(26.3181, 44.8609, 65.3923)

Have a look what the booklet for
XYZ(26.3181, 44.8609, 65.3923)
contains.

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Color

**XYZ(32.9719, 48.1189,
65.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDCE
RGB	0, 205, 206
RGB Percent	0%, 80%, 81%
CMY	0.9998, 0.1961, 0.1922
CMYK	1.00, 0.00, 0.00, 0.19
HSL	180°, 100%, 40%
HSV	180°, 100%, 81%
XYZ	32.9719, 48.1189, 65.9426
YIQ	143.8190, -122.5010, -43.1490

Conversions

Conversions Part 2

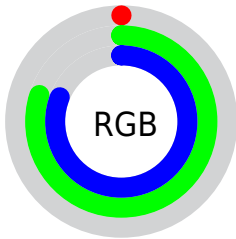
Format	Color
RYB	0, 103, 206
Decimal	52686
CIELab	74.90, -40.49, -12.49
CIELCh	75, 42.370, 197.142
Yxy	48.1189, 0.2242, 0.3273
Android (android.graphics.Color)	4278242766 (0xFF00CDCE)
YUV	143.8190, 30.6552, -126.1293
Hunter-Lab	69.3678, -36.5490, -7.8050

Details

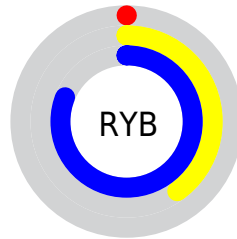
The XYZ color **32.9719, 48.1189, 65.9426** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.4656, 13.1448, 1.1963**, and the grayscale version is **26.3584, 27.7311, 30.1992**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.5738, 24.0797, 33.4801** is the 20% darker color. If you saturate the color by 10%, you get **32.9727, 48.1203, 65.9437**, and if you desaturate by 10%, it is **33.2985, 48.3238, 65.9658**.

Distribution



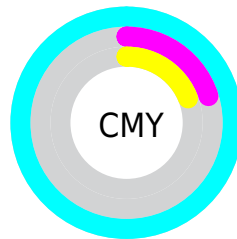
- Red (0%)
- Green (80%)
- Blue (81%)



- Red (0%)
- Yellow (40%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9719, 48.1189, 65.9426 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 32.9719, 48.1189, 65.9426 by changing the saturation by 10% instead.


 32.9719, 48.1189,
65.9426


 32.9719, 48.1189,
65.9426


307.1903,
379.2632, 464.5702


 22.2641, 33.9211,
47.7696

 63.6866, 87.3814,
115.0302


 14.1687, 22.8330,
33.2858


 84.4242, 113.2149,
146.7818


 8.3206, 14.4702,
22.0726


 109.2358,
143.6956, 183.8968

 4.3543, 8.4484,
13.7114

 138.4866,
179.2081, 226.7936

 1.9045, 4.3832,
7.7838

 172.5422,
220.1368, 275.8908

 0.5794, 1.8901,
3.8711

211.7677,

 0.0000, 0.5424,

266.8659, 331.6070

1.5549

256.5286,
319.7799, 394.3606

■ 0.0000, 0.0000,
0.2583

■ 0.0000, 0.0000,
0.0000

■ 32.9719, 48.1189,
65.9426

■ 32.9719, 48.1189,
65.9426

■ 32.9727, 48.1203,
65.9437

■ 33.2985, 48.3238,
65.9658

■ 33.9449, 48.6925,
66.0029

■ 35.0215, 49.2830,
66.0602

■ 36.5871, 50.1257,
66.1403

■ 38.6913, 51.2460,
66.2456

■ 41.3776, 52.6664,
66.3782

■ 44.6851, 54.4071,
66.5399

■ 48.6496, 56.4865,
66.7323

■ 53.3040, 58.9216,
66.9570

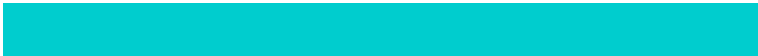
Harmonies

Analogous

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



32.7416, 48.1189, 43.4947



32.9719, 48.1189, 65.9426



36.3675, 48.1189, 90.1239

Triad

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



32.9719, 48.1189, 65.9426



57.4971, 48.1189, 86.9371



49.1175, 48.1189, 20.9252

Complementary

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



32.9719, 48.1189, 65.9426



25.4656, 13.1448, 1.1963

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.



56.5882, 48.1189, 27.0091



32.9719, 48.1189, 65.9426



61.7797, 48.1189, 62.4297

Square

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



32.9719, 48.1189, 65.9426



50.2497, 48.1189, 104.3923



61.4295, 48.1189, 40.8401



41.5002, 48.1189, 21.3743

Rectangle

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



32.9719, 48.1189, 65.9426



40.2108, 48.1189, 102.1145



61.4295, 48.1189, 40.8401



51.7446, 48.1189, 22.1814

Sweetspot

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



32.9734, 48.1207, 65.9438



72.1669, 88.0279, 107.7952



22.0725, 44.1437, 7.3586



14.9337, 18.5719, 23.0476



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.



32.9734, 48.1207, 65.9438



53.4169, 77.9538, 106.8390



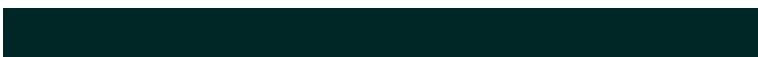
15.9939, 14.1618, 60.2839



11.5385, 12.7174, 14.4169



20.3055, 29.6350, 40.6062



1.0491, 1.5319, 2.0953

Inverse Universe

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



36.4743, 17.5309, 59.2209



59.0916, 28.4006, 95.9352



30.3068, 22.8273, 2.8101



11.6852, 11.4028, 14.1426



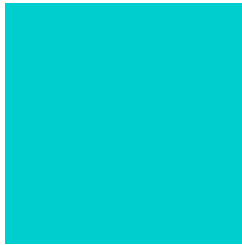
22.4602, 10.7947, 36.4716



1.1595, 0.5572, 1.8856

Previews

White Background



This preview shows how the XYZ color 32.9719, 48.1189, 65.9426 looks on a white background.

Color Contrast Check

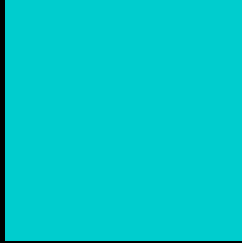
Large Text (above 18pt) WCAG AA × Fail

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 32.9719, 48.1189, 65.9426 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

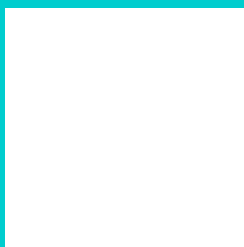
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9719, 48.1189, 65.9426

Background



This preview shows how black text looks on a background with the XYZ color 32.9719, 48.1189, 65.9426.



This preview shows how white text looks on a background with the XYZ color 32.9719, 48.1189,

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

32.9719, 48.1189, 65.9426

Protanopia

46.0095, 47.4520, 56.6034

Deuteranopia

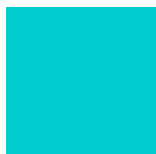
48.2976, 47.1591, 68.8444



Tritanopia

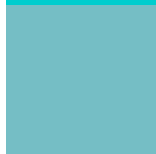
34.8697, 48.2014, 74.4838

Trichromacy



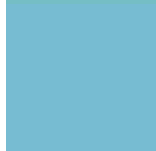
Original Color

32.9719, 48.1189, 65.9426



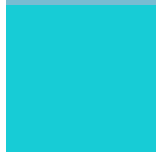
Protanomaly

35.8276, 44.6400, 59.5514



Deuteranomaly

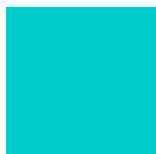
37.2238, 44.5415, 67.6082



Tritanomaly

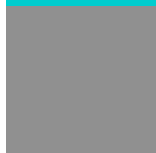
34.0838, 48.2229, 71.1299

Monochromacy



Original Color

32.9719, 48.1189, 65.9426



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.0249, 32.3378, 41.4821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9719, 48.1189, 65.9426 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, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 206)  
}
```

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, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.9719, 48.1189, 65.9426 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, 205, 206) }
```


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

```
.border{ border-color:rgb(0, 205, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9719, 48.1189, 65.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 206) }
```

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

```
.background{ background-color: rgb(0, 205,  
206) }
```

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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