

Converting Colors

XYZ(30.8195, 46.3131, 66.1429)

Have a look what the booklet for
XYZ(30.8195, 46.3131, 66.1429)
contains.

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Color

**XYZ(32.6184, 47.2169,
66.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBCF
RGB	0, 203, 207
RGB Percent	0%, 80%, 81%
CMY	0.9998, 0.2039, 0.1882
CMYK	1.00, 0.02, 0.00, 0.19
HSL	181°, 100%, 41%
HSV	181°, 100%, 81%
XYZ	32.6184, 47.2169, 66.4261
YIQ	142.7590, -122.2720, -41.7920

Conversions

Conversions Part 2

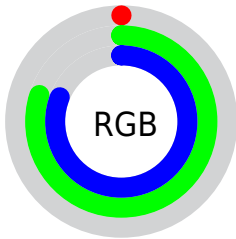
Format	Color
RYB	0, 102, 207
Decimal	52175
CIELab	74.33, -39.28, -13.89
CIELCh	74, 41.666, 199.468
Yxy	47.2169, 0.2230, 0.3228
Android (android.graphics.Color)	4278242255 (0xFF00CBCF)
YUV	142.7590, 31.6708, -125.1996
Hunter-Lab	68.7146, -35.5176, -9.2152

Details

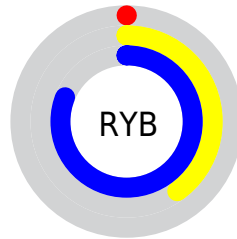
The XYZ color **32.6184, 47.2169, 66.4261** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.7766, 13.3534, 1.2201**, and the grayscale version is **25.9308, 27.2813, 29.7093**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.3397, 23.4797, 33.8078** is the 20% darker color. If you saturate the color by 10%, you get **32.6191, 47.2180, 66.4272**, and if you desaturate by 10%, it is **33.0177, 47.5641, 66.4730**.

Distribution



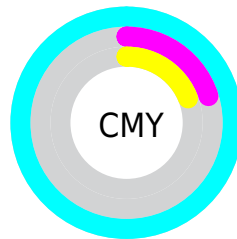
- Red (0%)
- Green (80%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6184, 47.2169, 66.4261 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 32.6184, 47.2169, 66.4261 by changing the saturation by 10% instead.

32.6184, 47.2169,
66.4261

32.6184, 47.2169,
66.4261

305.6222,
375.6796, 466.3450

21.9921, 33.2072,
48.1597

63.1380, 86.0373,
115.7305

13.9677, 22.2852,
33.5925

83.7620, 111.6167,
147.6056

8.1797, 14.0666,
22.3059

108.4492,
141.8215, 184.8541

4.2629, 8.1670,
13.8814

137.5651,
177.0361, 227.8943

1.8519, 4.2020,
7.9004

171.4750,
217.6448, 277.1450

0.5487, 1.7872,
3.9444

210.5443,

0.0000, 0.4792,

264.0320, 333.0247

1.5949

255.1382,
316.5822, 395.9518

■ 0.0000, 0.0000,
0.2872

■ 0.0000, 0.0000,
0.0000

■ 32.6184, 47.2169,
66.4261

■ 32.6184, 47.2169,
66.4261

■ 32.6191, 47.2180,
66.4272

■ 33.0177, 47.5641,
66.4730

■ 33.7409, 48.0777,
66.5340

■ 34.8994, 48.8160,
66.6154

■ 36.5526, 49.8098,
66.7201

■ 38.7507, 51.0848,
66.8504

■ 41.5379, 52.6638,
67.0082

■ 44.9537, 54.5673,
67.1956

■ 49.0342, 56.8138,
67.4142

■ 53.8128, 59.4206,
67.6655

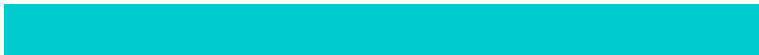
Harmonies

Analogous

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



32.1510, 47.2169, 44.2315



32.6184, 47.2169, 66.4261



36.1509, 47.2169, 89.5828

Triad

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



32.6184, 47.2169, 66.4261



56.7438, 47.2169, 83.1602



47.5637, 47.2169, 20.5779

Complementary

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



32.6184, 47.2169, 66.4261



25.7766, 13.3534, 1.2201

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.



54.9080, 47.2169, 25.9940



32.6184, 47.2169, 66.4261



60.5863, 47.2169, 59.3286

Square

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



32.6184, 47.2169, 66.4261



49.8534, 47.2169, 100.9545



59.8794, 47.2169, 38.8487



40.2456, 47.2169, 21.4949

Rectangle

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



32.6184, 47.2169, 66.4261



40.0121, 47.2169, 100.5439



59.8794, 47.2169, 38.8487



50.1237, 47.2169, 21.6418

Sweetspot

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



32.6198, 47.2186, 66.4272



71.8154, 87.3249, 107.6781



22.3328, 44.6343, 7.5385



14.8479, 18.4004, 23.0190



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.



32.6198, 47.2186, 66.4272



52.2584, 75.6369, 106.4528



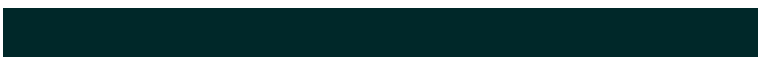
15.8274, 13.6337, 60.8298



12.1380, 13.3662, 15.1839



20.5598, 29.7661, 41.8543



1.1559, 1.6771, 2.3424

Inverse Universe

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



36.5128, 17.5785, 57.9703



58.5068, 28.1667, 92.8560



30.9875, 23.7752, 2.9571



12.3005, 12.0050, 14.8585



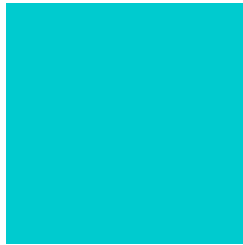
23.0083, 11.0762, 36.5457



1.2897, 0.6206, 2.0603

Previews

White Background



This preview shows how the XYZ color 32.6184, 47.2169, 66.4261 looks on a white background.

Color Contrast Check

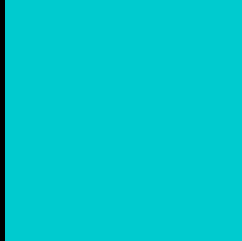
Large Text (above 18pt) WCAG AA × Fail

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 32.6184, 47.2169, 66.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

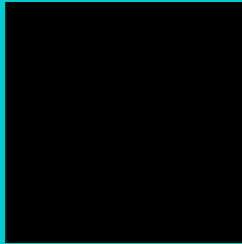
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

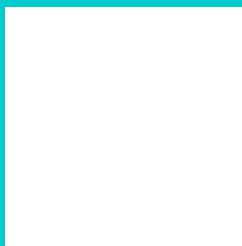
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6184, 47.2169, 66.4261

Background



This preview shows how black text looks on a background with the XYZ color 32.6184, 47.2169, 66.4261.

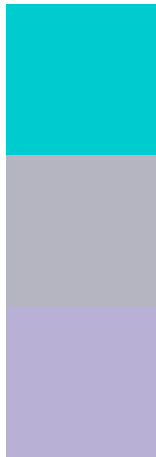


This preview shows how white text looks on a background with the XYZ color 32.6184, 47.2169,

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

32.6184, 47.2169, 66.4261

Protanopia

45.0030, 46.3165, 57.0202

Deuteranopia

47.4995, 46.4387, 69.4109



Tritanopia

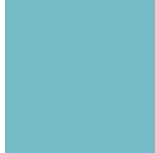
34.1687, 47.1586, 73.6313

Trichromacy



Original Color

32.6184, 47.2169, 66.4261



Protanomaly

35.2465, 43.6885, 60.0011



Deuteranomaly

36.6529, 43.6029, 68.1124



Tritanomaly

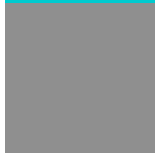
33.5674, 47.2555, 70.9704

Monochromacy



Original Color

32.6184, 47.2169, 66.4261



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.6525, 31.8876, 40.9320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6184, 47.2169, 66.4261 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, 203, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 207)  
}
```

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, 203, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.6184, 47.2169, 66.4261 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, 203, 207) }
```


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

```
.border{ border-color:rgb(0, 203, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6184, 47.2169, 66.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 207) }
```

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

```
.background{ background-color: rgb(0, 203,  
207) }
```

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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