

Converting Colors

XYZ(32.8015, 48.4880, 49.6504)

Have a look what the booklet for
XYZ(32.8015, 48.4880, 49.6504)
contains.

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Color

**XYZ(32.7689, 48.3729,
49.7293)**

Conversions

Conversions Part 1

Format	Color
Hex	4BCDB2
RGB	75, 205, 178
RGB Percent	29%, 80%, 70%
CMY	0.7059, 0.1961, 0.3020
CMYK	0.63, 0.00, 0.13, 0.20
HSL	168°, 57%, 55%
HSV	168°, 63%, 80%
XYZ	32.7689, 48.3729, 49.7293
YIQ	163.0520, -68.8130, -35.9570

Conversions

Conversions Part 2

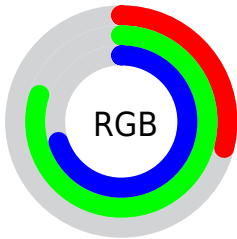
Format	Color
RYB	75, 148, 205
Decimal	4967858
CIELab	75.06, -41.90, 2.98
CIELCh	75, 42.004, 175.935
Yxy	48.3729, 0.2504, 0.3696
Android (android.graphics.Color)	4283157938 (0xFF4BCDB2)
YUV	163.0520, 7.3694, -77.2216
Hunter-Lab	69.5506, -37.6130, 6.2926

Details

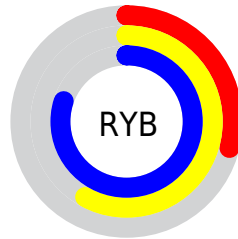
The XYZ color **32.7689, 48.3729, 49.7293** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.0929, 18.9720, 14.6482**, and the grayscale version is **34.8283, 36.6421, 39.9032**.

A 20% lighter version of the original color is **60.9278, 82.7789, 90.6086**, and **14.6080, 23.2934, 23.1282** is the 20% darker color. If you saturate the color by 10%, you get **30.9957, 47.5086, 47.4499**, and if you desaturate by 10%, it is **35.0746, 49.5125, 52.1051**.

Distribution



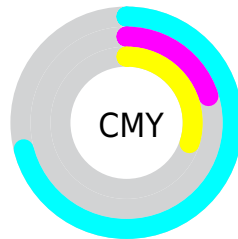
- Red (29%)
- Green (80%)
- Blue (70%)



- Red (29%)
- Yellow (58%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (71%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7689, 48.3729, 49.7293 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 32.7689, 48.3729, 49.7293 by changing the saturation by 10% instead.


 32.7689, 48.3729,
49.7293


 32.7689, 48.3729,
49.7293


306.2905,
380.2683, 402.3111


 22.1079, 34.1223,
34.8287


 63.3717, 87.7594,
91.1658


 14.0532, 22.9876,
23.2484


 84.0441, 113.6640,
118.5388

 8.2396, 14.5843,
14.5700

 108.7843,
144.2221, 150.9064

 4.3018, 8.5282,
8.3749

 137.9578,
179.8180, 188.6870

 1.8742, 4.4347,
4.2446

171.9297,
220.8362, 232.2992

 0.5618, 1.9196,
1.7605

211.0656,

 0.0000, 0.5601,

267.6611, 282.1616

0.4017

255.7308,
320.6770, 338.6927

■ 0.0000, 0.0000,
0.0000

■ 32.7689, 48.3729,
49.7293

■ 32.7689, 48.3729,
49.7293

■ 30.9957, 47.5086,
47.4499

■ 35.0746, 49.5125,
52.1051

■ 29.6991, 46.8873,
45.2603

■ 37.9535, 50.9450,
54.5765

■ 28.8179, 46.4786,
43.1583

■ 41.4473, 52.6928,
57.1473

■ 28.3913, 46.2880,
41.8177

■ 45.5923, 54.7748,
59.8196

■ 50.4221, 57.2082,
62.5956

■ 55.9680, 60.0092,
65.4775

■ 62.2593, 63.1928,
68.4670

■ 69.3236, 66.7733,
71.5662

■ 75.5088, 69.8990,
74.6981

Harmonies

Analogous

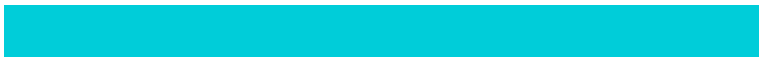
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8010, 48.3729, 32.3616



32.7689, 48.3729, 49.7293



33.9390, 48.3729, 73.4062

Triad

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



32.7689, 48.3729, 49.7293



52.7395, 48.3729, 100.5677



54.7508, 48.3729, 24.8379

Complementary

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



32.7689, 48.3729, 49.7293



30.0929, 18.9720, 14.6482

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.



60.5700, 48.3729, 36.2602



32.7689, 48.3729, 49.7293



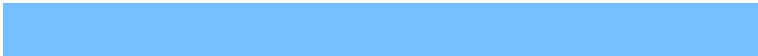
59.3211, 48.3729, 80.0754

Square

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



32.7689, 48.3729, 49.7293



44.9384, 48.3729, 107.0926



62.3286, 48.3729, 55.7241



47.0314, 48.3729, 20.7541

Rectangle

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



32.7689, 48.3729, 49.7293



36.4561, 48.3729, 89.2599



62.3286, 48.3729, 55.7241



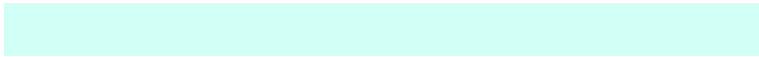
57.0260, 48.3729, 27.7590

Sweetspot

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



32.7703, 48.3748, 49.7304



77.8383, 91.3094, 99.8573



28.7156, 47.0661, 14.2288



16.1863, 19.3052, 21.0941



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.



32.7703, 48.3748, 49.7304



49.9299, 77.4117, 76.4293



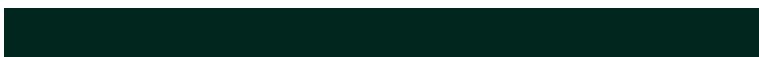
27.9561, 33.9724, 62.8437



11.4396, 12.6856, 13.8721



17.7094, 28.8291, 26.2186



0.9394, 1.4976, 1.4884

Inverse Universe

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



30.0929, 18.9720, 14.6482



45.2907, 25.5674, 14.9768



32.2243, 25.0404, 9.7925



11.3061, 11.2512, 12.1463



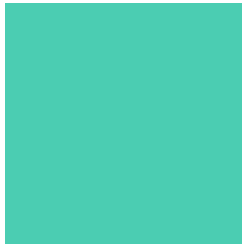
15.9685, 8.1980, 2.2867



0.8521, 0.4342, 0.2671

Previews

White Background



This preview shows how the XYZ color 32.7689, 48.3729, 49.7293 looks on a white background.

Color Contrast Check

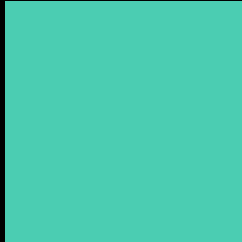
Large Text (above 18pt) WCAG AA × Fail

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 32.7689, 48.3729, 49.7293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

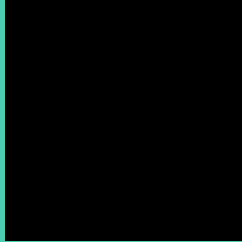
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

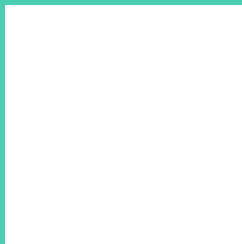
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7689, 48.3729, 49.7293

Background



This preview shows how black text looks on a background with the XYZ color 32.7689, 48.3729, 49.7293.

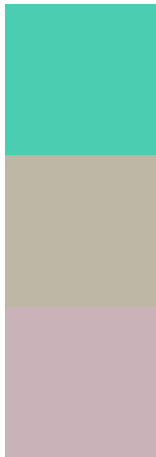


This preview shows how white text looks on a background with the XYZ color 32.7689, 48.3729,

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

32.7689, 48.3729, 49.7293

Protanopia

45.3023, 47.6965, 42.8951

Deuteranopia

48.6595, 47.7190, 51.9935



Tritanopia

37.3633, 48.4906, 72.3561

Trichromacy



Original Color

32.7689, 48.3729, 49.7293



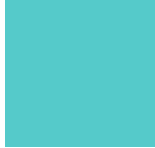
Protanomaly

38.2809, 46.5534, 44.9983



Deuteranomaly

39.9443, 46.3124, 51.0899



Tritanomaly

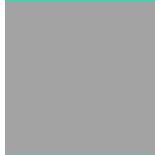
35.5275, 48.4366, 63.3538

Monochromacy



Original Color

32.7689, 48.3729, 49.7293



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.3484, 39.4932, 42.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7689, 48.3729, 49.7293 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(75, 205, 178)` looks like.

```
.text, #text, p{  
    color:rgb(75, 205, 178)  
}
```

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(75, 205, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 205, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.7689, 48.3729, 49.7293 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(75, 205, 178) }
```


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

```
.border{ border-color:rgb(75, 205, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 205, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 205, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 205, 178);  
box-shadow:4px 4px 4px 4px rgb(75, 205,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7689, 48.3729, 49.7293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 205, 178) }
```

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

```
.background{ background-color: rgb(75, 205,  
178) }
```

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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