

Converting Colors

XYZ(32.8669, 48.4693, 31.5556)

Have a look what the booklet for
XYZ(32.8669, 48.4693, 31.5556)
contains.

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Color

**XYZ(32.8624, 48.4655,
31.6675)**

Conversions

Conversions Part 1

Format	Color
Hex	70CC8A
RGB	112, 204, 138
RGB Percent	44%, 80%, 54%
CMY	0.5608, 0.2000, 0.4588
CMYK	0.45, 0.00, 0.32, 0.20
HSL	137°, 47%, 62%
HSV	137°, 45%, 80%
XYZ	32.8624, 48.4655, 31.6675
YIQ	168.9680, -33.6460, -40.0300

Conversions

Conversions Part 2

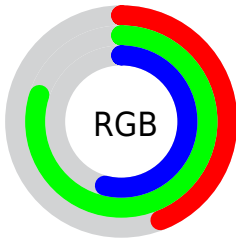
Format	Color
RYB	112, 184, 204
Decimal	7392394
CIELab	75.12, -41.82, 24.59
CIELCh	75, 48.510, 149.543
Yxy	48.4655, 0.2908, 0.4289
Android (android.graphics.Color)	4285582474 (0xFF70CC8A)
YUV	168.9680, -15.2672, -49.9609
Hunter-Lab	69.6172, -37.5701, 21.7621

Details

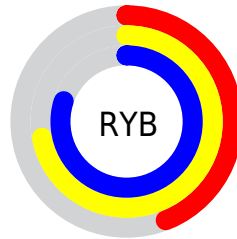
The XYZ color **32.8624, 48.4655, 31.6675** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.7334, 27.6410, 45.4149**, and the grayscale version is **37.7823, 39.7499, 43.2877**.

A 20% lighter version of the original color is **61.4229, 83.6506, 62.7780**, and **14.0986, 23.0238, 12.7178** is the 20% darker color. If you saturate the color by 10%, you get **29.5658, 46.8817, 26.3504**, and if you desaturate by 10%, it is **36.8923, 50.4136, 37.7664**.

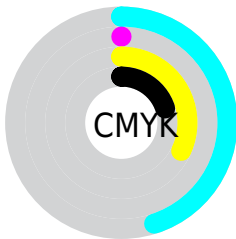
Distribution



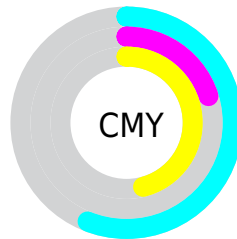
- Red (44%)
- Green (80%)
- Blue (54%)



- Red (44%)
- Yellow (72%)
- Blue (80%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)





- Cyan (56%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8624, 48.4655, 31.6675 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 32.8624, 48.4655, 31.6675 by changing the saturation by 10% instead.


 32.8624, 48.4655,
31.6675


 32.8624, 48.4655,
31.6675


306.7052,
380.6343, 324.0477


 22.1798, 34.1957,
20.8449


 63.5168, 87.8971,
63.3813

 14.1064, 23.0440,
12.8206


 84.2192, 113.8276,
85.1096

 8.2769, 14.6260,
7.1758


 108.9923,
144.4139, 111.3103

 4.3259, 8.5573,
3.4922

138.2015,
180.0402, 142.4019

 1.8881, 4.4536,
1.3511

172.2120,
221.0910, 178.8029

 0.5699, 1.9304,
0.1031

211.3892,

 0.0000, 0.5665,

267.9507, 220.9318

0.0000

256.0985,
321.0037, 269.2072

■ 0.0000, 0.0000,
0.0000

■ 32.8624, 48.4655,
31.6675

■ 32.8624, 48.4655,
31.6675

■ 29.5658, 46.8817,
26.3504

■ 36.8923, 50.4136,
37.7664

■ 26.9530, 45.6332,
21.7800

■ 41.6936, 52.7408,
44.6738

■ 24.9737, 44.6962,
17.9234


■ 47.3061, 55.4685,
52.4189


■ 23.5691, 44.0410,
14.7441

■ 53.7658, 58.6148,
61.0288


■ 22.6681, 43.6318,
12.2018

■ 61.1064, 62.1963,
70.5291

 22.3488, 43.4896,
11.1733

 69.3599, 66.2292,
80.9445

 78.5565, 70.7284,
92.2986

 80.8838, 71.6676,
104.1779

Harmonies

Analogous

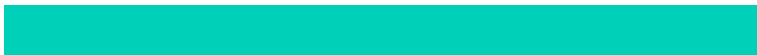
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1510, 48.4655, 20.6437



32.8624, 48.4655, 31.6675



31.0179, 48.4655, 52.3814

Triad

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



32.8624, 48.4655, 31.6675



45.9289, 48.4655, 118.3006



62.5677, 48.4655, 32.1509

Complementary

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



32.8624, 48.4655, 31.6675



38.7334, 27.6410, 45.4149

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.



65.3283, 48.4655, 53.1619



32.8624, 48.4655, 31.6675



55.0042, 48.4655, 107.7474

Square

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



32.8624, 48.4655, 31.6675



37.9432, 48.4655, 107.1205



62.4007, 48.4655, 81.6309



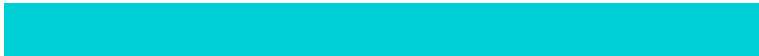
55.2702, 48.4655, 20.8532

Rectangle

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



32.8624, 48.4655, 31.6675



31.7790, 48.4655, 70.8700



62.4007, 48.4655, 81.6309



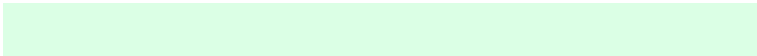
64.0957, 48.4655, 38.0494

Sweetspot

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



32.8637, 48.4675, 31.6686



79.2610, 92.3056, 88.0532



43.2177, 53.9973, 23.4743



16.4991, 19.5304, 18.2150



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.



32.8637, 48.4675, 31.6686



49.1555, 77.7303, 43.9608



36.7752, 50.0321, 52.2662



11.1962, 12.5882, 12.5907



14.1007, 27.3856, 7.2155



0.7604, 1.4260, 0.5460

Inverse Universe

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



38.7334, 27.6410, 45.4149



60.0419, 39.0149, 69.3893



34.9633, 26.1330, 25.5618



11.5471, 11.3476, 13.4155



18.9977, 9.4097, 18.2386



1.0115, 0.4980, 1.1066

Previews

White Background



This preview shows how the XYZ color 32.8624, 48.4655, 31.6675 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 32.8624, 48.4655, 31.6675 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 32.8624, 48.4655, 31.6675

Background



This preview shows how black text looks on a background with the XYZ color 32.8624, 48.4655, 31.6675.



This preview shows how white text looks on a background with the XYZ color 32.8624, 48.4655,

31.6675.

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

32.8624, 48.4655, 31.6675

Protanopia

44.3916, 47.8717, 27.6694

Deuteranopia

48.5837, 47.5114, 32.9955



Tritanopia

40.3262, 48.4005, 68.8448

Trichromacy



Original Color

32.8624, 48.4655, 31.6675



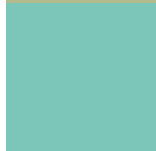
Protanomaly

38.7320, 47.1430, 28.8879



Deuteranomaly

40.8015, 46.5358, 32.4230



Tritanomaly

37.0142, 48.0598, 52.6730

Monochromacy



Original Color

32.8624, 48.4655, 31.6675



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.1122, 42.2204, 38.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8624, 48.4655, 31.6675 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(112, 204, 138)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 138)  
}
```

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(112, 204, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 138) }
```

Border

The CSS property to change the border of an element to XYZ 32.8624, 48.4655, 31.6675 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(112, 204, 138) }
```


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

```
.border{ border-color:rgb(112, 204, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 204, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 138);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8624, 48.4655, 31.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 138) }
```

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

```
.background{ background-color: rgb(112,  
204, 138) }
```

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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