

Converting Colors

XYZ(32.8237, 48.4132, 33.4880)

Have a look what the booklet for
XYZ(32.8237, 48.4132, 33.4880)
contains.

XYZ(32.8575, 48.4201, 33.6008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8575, 48.4201,
33.6008)**

Conversions

Conversions Part 1

Format	Color
Hex	6DCC8F
RGB	109, 204, 143
RGB Percent	43%, 80%, 56%
CMY	0.5725, 0.2000, 0.4392
CMYK	0.47, 0.00, 0.30, 0.20
HSL	141°, 48%, 61%
HSV	141°, 47%, 80%
XYZ	32.8575, 48.4201, 33.6008
YIQ	168.6410, -37.0390, -39.1110

Conversions

Conversions Part 2

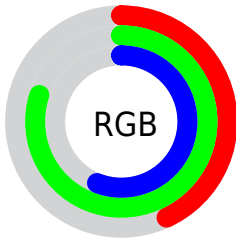
Format	Color
RYB	109, 179, 204
Decimal	7195791
CIELab	75.09, -41.71, 21.90
CIElCh	75, 47.109, 152.302
Yxy	48.4201, 0.2860, 0.4215
Android (android.graphics.Color)	4285385871 (0xFF6DCC8F)
YUV	168.6410, -12.6410, -52.3052
Hunter-Lab	69.5846, -37.4861, 20.0794

Details

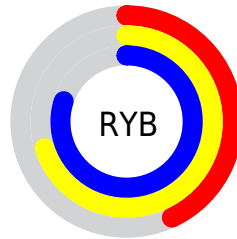
The XYZ color **32.8575, 48.4201, 33.6008** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **37.6278, 26.6781, 41.1984**, and the grayscale version is **37.6093, 39.5680, 43.0895**.

A 20% lighter version of the original color is **61.3551, 83.5506, 65.7164**, and **14.0954, 22.9977, 13.8213** is the 20% darker color. If you saturate the color by 10%, you get **29.6982, 46.9008, 28.5723**, and if you desaturate by 10%, it is **36.7176, 50.2900, 39.2692**.

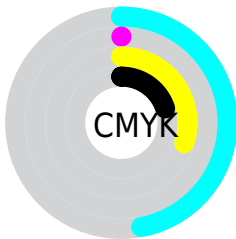
Distribution



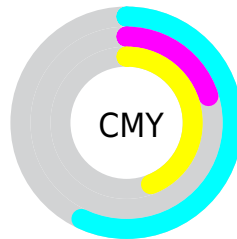
- Red (43%)
- Green (80%)
- Blue (56%)



- Red (43%)
- Yellow (70%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)



- Cyan (57%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8575, 48.4201, 33.6008 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 32.8575, 48.4201, 33.6008 by changing the saturation by 10% instead.


 32.8575, 48.4201,
33.6008


 32.8575, 48.4201,
33.6008


306.6835,
380.4549, 333.0630


 22.1760, 34.1597,
22.3122


 63.5092, 87.8296,
66.4392

 14.1036, 23.0163,
13.8860

 84.2100, 113.7474,
88.8261

 8.2750, 14.6055,
7.9036

 108.9814,
144.3198, 115.7494

 4.3247, 8.5430,
3.9464

138.1887,
179.9313, 147.6279

 1.8874, 4.4443,
1.5960

172.1972,
220.9661, 184.8799

 0.5695, 1.9251,
0.2880

211.3722,

 0.0000, 0.5634,

267.8087, 227.9241

0.0000

256.0792,
320.8435, 277.1789

■ 0.0000, 0.0000,
0.0000

■ 32.8575, 48.4201,
33.6008

■ 32.8575, 48.4201,
33.6008

■ 29.6982, 46.9008,
28.5723

■ 36.7176, 50.2900,
39.2692

■ 27.1910, 45.7034,
24.1575

■ 41.3155, 52.5250,
45.5957

■ 25.2870, 44.8045,
20.3333

■ 46.6899, 55.1461,
52.6021


■ 23.9277, 44.1745,
17.0737


■ 52.8756, 58.1708,
60.3081


■ 23.0388, 43.7757,
14.3503


■ 59.9055, 61.6157,
68.7324

 22.7967, 43.6687,
13.5324

 67.8105, 65.4962,
77.8932

 76.6197, 69.8272,
87.8081

 79.7455, 71.2122,
98.1841

 80.8838, 71.6675,
104.1779

Harmonies

Analogous

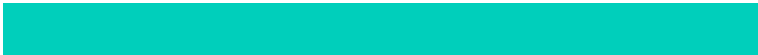
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7250, 48.4201, 21.9283



32.8575, 48.4201, 33.6008



31.3747, 48.4201, 54.6496

Triad

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



32.8575, 48.4201, 33.6008



46.6903, 48.4201, 115.7533



61.4920, 48.4201, 31.2156

Complementary

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



32.8575, 48.4201, 33.6008



37.6278, 26.6781, 41.1984

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.



64.6379, 48.4201, 50.8388



32.8575, 48.4201, 33.6008



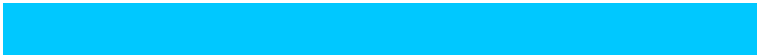
55.4539, 48.4201, 103.8486

Square

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



32.8575, 48.4201, 33.6008



38.7433, 48.4201, 106.8714



62.3026, 48.4201, 77.9910



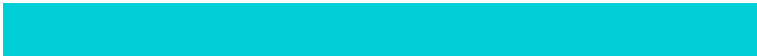
54.1593, 48.4201, 20.8837

Rectangle

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



32.8575, 48.4201, 33.6008



32.3337, 48.4201, 72.8521



62.3026, 48.4201, 77.9910



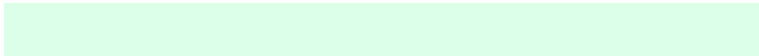
63.1127, 48.4201, 36.6891

Sweetspot

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



32.8588, 48.4221, 33.6019



79.6401, 92.4572, 90.0495



41.0951, 52.9219, 22.5176



16.5907, 19.5671, 18.6976



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.



32.8588, 48.4221, 33.6019



49.1059, 77.6332, 47.1908



37.1680, 50.1458, 56.2942



11.2311, 12.6022, 12.7747



14.3885, 27.5007, 8.7311



0.7783, 1.4331, 0.6401

Inverse Universe

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



37.6278, 26.6781, 41.1984



57.9426, 37.2471, 61.1956



33.9627, 25.2120, 21.8982



11.5105, 11.3329, 13.2228



18.2975, 9.1296, 14.5512



0.9793, 0.4851, 0.9371

Previews

White Background



This preview shows how the XYZ color 32.8575, 48.4201, 33.6008 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 32.8575, 48.4201, 33.6008 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

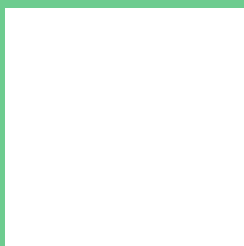
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8575, 48.4201, 33.6008

Background



This preview shows how black text looks on a background with the XYZ color 32.8575, 48.4201, 33.6008.



This preview shows how white text looks on a background with the XYZ color 32.8575, 48.4201,

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

32.8575, 48.4201, 33.6008

Protanopia

44.4695, 47.8725, 29.4508

Deuteranopia

48.5875, 47.7603, 35.0916



Tritanopia

39.7304, 48.0933, 68.8169

Trichromacy



Original Color

32.8575, 48.4201, 33.6008



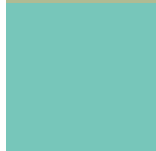
Protanomaly

38.6632, 47.0671, 30.7140



Deuteranomaly

40.7160, 46.7612, 34.4836



Tritanomaly

36.6648, 47.8553, 53.7589

Monochromacy



Original Color

32.8575, 48.4201, 33.6008



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.1057, 42.1970, 39.5523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8575, 48.4201, 33.6008 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(109, 204, 143)` looks like.

```
.text, #text, p{  
    color:rgb(109, 204, 143)  
}
```

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(109, 204, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 204, 143) }
```

Border

The CSS property to change the border of an element to XYZ 32.8575, 48.4201, 33.6008 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(109, 204, 143) }
```


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

```
.border{ border-color:rgb(109, 204, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 204, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 204, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 204, 143); box-shadow:4px 4px 4px 4px rgb(109, 204, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8575, 48.4201, 33.6008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 204, 143) }
```

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

```
.background{ background-color: rgb(109,  
204, 143) }
```

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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