

Converting Colors

XYZ(32.0837, 48.0988, 46.1211)

Have a look what the booklet for
XYZ(32.0837, 48.0988, 46.1211)
contains.

XYZ(32.0837, 48.0988, 46.1211)	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(32.0837, 48.0988,
46.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	4BCDAB
RGB	75, 205, 171
RGB Percent	29%, 80%, 67%
CMY	0.7059, 0.1961, 0.3294
CMYK	0.63, 0.00, 0.17, 0.20
HSL	164°, 57%, 55%
HSV	164°, 63%, 80%
XYZ	32.0837, 48.0988, 46.1211
YIQ	162.2540, -66.5660, -38.1340

Conversions

Conversions Part 2

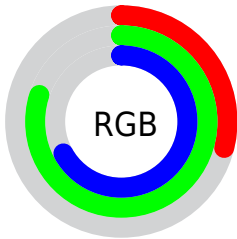
Format	Color
RYB	75, 150, 205
Decimal	4967851
CIELab	74.89, -43.62, 6.50
CIELCh	75, 44.098, 171.524
Yxy	48.0988, 0.2540, 0.3808
Android (android.graphics.Color)	4283157931 (0xFF4BCDAB)
YUV	162.2540, 4.3118, -76.5218
Hunter-Lab	69.3533, -38.7919, 9.1185

Details

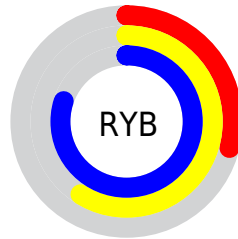
The XYZ color **32.0837, 48.0988, 46.1211** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.4549, 19.1167, 16.5547**, and the grayscale version is **34.4658, 36.2607, 39.4880**.

A 20% lighter version of the original color is **59.8040, 82.3294, 84.6907**, and **14.2361, 23.1446, 21.1698** is the 20% darker color. If you saturate the color by 10%, you get **30.2306, 47.2026, 43.4210**, and if you desaturate by 10%, it is **34.4767, 49.2733, 48.9568**.

Distribution



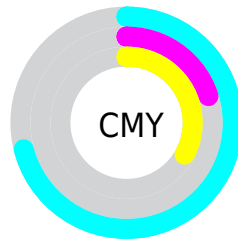
- Red (29%)
- Green (80%)
- Blue (67%)



- Red (29%)
- Yellow (59%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (71%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0837, 48.0988, 46.1211 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 32.0837, 48.0988, 46.1211 by changing the saturation by 10% instead.


 32.0837, 48.0988,
46.1211


 32.0837, 48.0988,
46.1211


303.2389,
379.1836, 387.5870


 21.5813, 33.9051,
31.9920


 62.3066, 87.3515,
85.7364


 13.6644, 22.8207,
21.0907


 82.7578, 113.1793,
112.0597

 7.9678, 14.4612,
12.9984

 107.2560,
143.6540, 143.2849

 4.1260, 8.4421,
7.2967

 136.1665,
179.1598, 179.8304

 1.7736, 4.3791,
3.5671

169.8546,
220.0814, 222.1148

 0.5017, 1.8878,
1.3910

208.6859,

 0.0000, 0.5410,

266.8029, 270.5567

0.1347

253.0255,
319.7088, 325.5746

■ 0.0000, 0.0000,
0.0000

■ 32.0837, 48.0988,
46.1211

■ 32.0837, 48.0988,
46.1211

■ 30.2306, 47.2026,
43.4210

■ 34.4767, 49.2733,
48.9568

■ 28.8615, 46.5522,
40.8496

■ 37.4505, 50.7438,
51.9281

■ 27.9150, 46.1175,
38.4036

■ 41.0469, 52.5326,
55.0393

■ 27.4493, 45.9111,
36.8568

■ 45.3024, 54.6588,
58.2933

■ 50.2506, 57.1396,
61.6927

■ 55.9229, 59.9911,
65.2404

■ 62.3488, 63.2286,
68.9387

■ 69.5559, 66.8662,
72.7902

■ 75.8925, 70.0524,
76.7186

Harmonies

Analogous

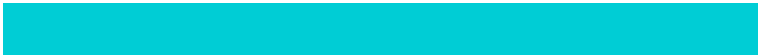
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6640, 48.0988, 29.3975



32.0837, 48.0988, 46.1211



32.8061, 48.0988, 70.3259

Triad

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



32.0837, 48.0988, 46.1211



51.6178, 48.0988, 105.2097



56.0104, 48.0988, 24.8232

Complementary

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



32.0837, 48.0988, 46.1211



30.4549, 19.1167, 16.5547

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.



61.6346, 48.0988, 37.7667



32.0837, 48.0988, 46.1211



58.8991, 48.0988, 84.9788

Square

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



32.0837, 48.0988, 46.1211



43.4785, 48.0988, 109.4045



62.7494, 48.0988, 59.1624



48.0299, 48.0988, 19.6829

Rectangle

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



32.0837, 48.0988, 46.1211



35.1048, 48.0988, 87.4910



62.7494, 48.0988, 59.1624



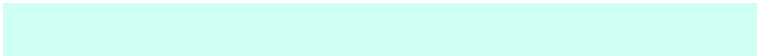
58.2763, 48.0988, 28.1884

Sweetspot

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



32.0850, 48.1007, 46.1222



77.4429, 91.1512, 97.7749



29.4919, 47.4663, 14.2651



16.0899, 19.2666, 20.5860



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.



32.0850, 48.1007, 46.1222



48.6332, 76.8930, 69.6008



29.1878, 36.4358, 63.2542



11.4131, 12.6750, 13.7328



17.1283, 28.5966, 23.1586



0.9137, 1.4873, 1.3530

Inverse Universe

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



30.4549, 19.1167, 16.5547



45.8379, 25.7863, 17.8583



31.5340, 23.6599, 9.5623



11.3308, 11.2610, 12.2765



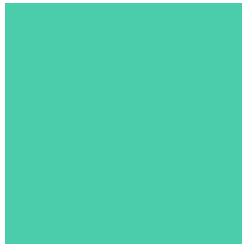
16.1161, 8.2570, 3.0639



0.8634, 0.4388, 0.3265

Previews

White Background



This preview shows how the XYZ color 32.0837, 48.0988, 46.1211 looks on a white background.

Color Contrast Check

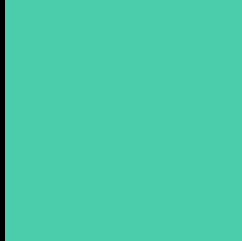
Large Text (above 18pt) WCAG AA × Fail

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 32.0837, 48.0988, 46.1211 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

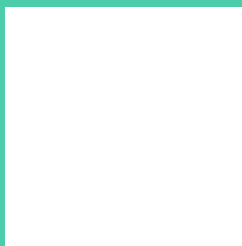
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0837, 48.0988, 46.1211

Background



This preview shows how black text looks on a background with the XYZ color 32.0837, 48.0988, 46.1211.



This preview shows how white text looks on a background with the XYZ color 32.0837, 48.0988,

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

32.0837, 48.0988, 46.1211

Protanopia

44.7242, 47.1656, 39.5475

Deuteranopia

48.2866, 47.3151, 48.1827



Tritanopia

37.2034, 48.0803, 71.6096

Trichromacy



Original Color

32.0837, 48.0988, 46.1211



Protanomaly

37.4187, 45.8608, 41.5302



Deuteranomaly

39.2185, 45.7037, 47.3121



Tritanomaly

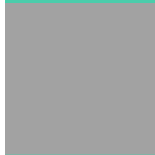
35.0332, 47.8752, 61.4272

Monochromacy



Original Color

32.0837, 48.0988, 46.1211



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.9178, 39.3032, 41.5013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0837, 48.0988, 46.1211 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 205, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 205, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.0837, 48.0988, 46.1211 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, 171) }
```


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

```
.border{ border-color:rgb(75, 205, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 205,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0837, 48.0988, 46.1211 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, 171) }
```

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

```
.background{ background-color: rgb(75, 205,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor