

Converting Colors

XYZ(32.0675, 48.1668, 45.5921)

Have a look what the booklet for
XYZ(32.0675, 48.1668, 45.5921)
contains.

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Color

**XYZ(32.0675, 48.1014,
45.6246)**

Conversions

Conversions Part 1

Format	Color
Hex	4CCDAA
RGB	76, 205, 170
RGB Percent	30%, 80%, 67%
CMY	0.7019, 0.1961, 0.3333
CMYK	0.63, 0.00, 0.17, 0.20
HSL	164°, 56%, 55%
HSV	164°, 63%, 80%
XYZ	32.0675, 48.1014, 45.6246
YIQ	162.4390, -65.6490, -38.2330

Conversions

Conversions Part 2

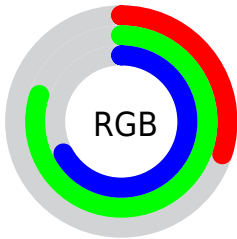
Format	Color
RYB	76, 151, 205
Decimal	5033386
CIELab	74.89, -43.68, 7.04
CIELCh	75, 44.247, 170.840
Yxy	48.1014, 0.2549, 0.3824
Android (android.graphics.Color)	4283223466 (0xFF4CCDAA)
YUV	162.4390, 3.7276, -75.8070
Hunter-Lab	69.3552, -38.8392, 9.5453

Details

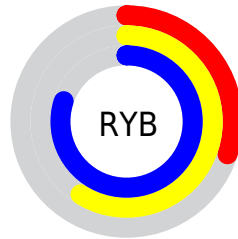
The XYZ color **32.0675, 48.1014, 45.6246** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.6321, 19.2969, 17.1509**, and the grayscale version is **34.5549, 36.3545, 39.5900**.

A 20% lighter version of the original color is **59.6671, 82.2746, 83.9700**, and **14.1764, 23.1207, 20.8551** is the 20% darker color. If you saturate the color by 10%, you get **30.1760, 47.1870, 42.8479**, and if you desaturate by 10%, it is **34.5027, 49.2959, 48.5451**.

Distribution



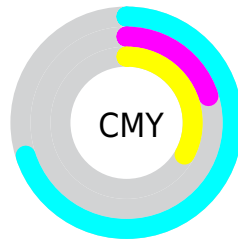
- Red (30%)
- Green (80%)
- Blue (67%)



- Red (30%)
- Yellow (59%)
- Blue (80%)



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



- Cyan (70%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0675, 48.1014, 45.6246 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 32.0675, 48.1014, 45.6246 by changing the saturation by 10% instead.

■ 32.0675, 48.1014,
45.6246

■ 32.0675, 48.1014,
45.6246

303.1664,
379.1939, 385.5310

■ 21.5689, 33.9072,
31.6032

■ 62.2814, 87.3554,
84.9853

■ 13.6553, 22.8223,
20.7963

■ 82.7273, 113.1839,
111.1616

■ 7.9614, 14.4624,
12.7854

■ 107.2197,
143.6593, 142.2266

■ 4.1218, 8.4429,
7.1519

■ 136.1240,
179.1661, 178.5988

■ 1.7713, 4.3797,
3.4774

169.8054,
220.0885, 220.6968

■ 0.5003, 1.8881,
1.3433

208.6294,

■ 0.0000, 0.5412,

266.8110, 268.9392

0.0969

252.9613,
319.7180, 323.7444

■ 0.0000, 0.0000,
0.0000

■ 32.0675, 48.1014,
45.6246

■ 32.0675, 48.1014,
45.6246

■ 30.1760, 47.1870,
42.8479

■ 34.5027, 49.2959,
48.5451

■ 28.7727, 46.5206,
40.2078

■ 37.5224, 50.7879,
51.6096

■ 27.7969, 46.0720,
37.7011

■ 41.1681, 52.6000,
54.8224

■ 27.2873, 45.8463,
36.0038

■ 45.4761, 54.7509,
58.1865

■ 50.4802, 57.2579,
61.7048

■ 56.2114, 60.1370,
65.3802

■ 62.6993, 63.4035,
69.2153

■ 69.9715, 67.0715,
73.2126

■ 75.9988, 70.0949,
77.2783

Harmonies

Analogous

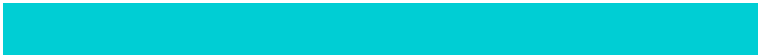
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7287, 48.1014, 29.0571



32.0675, 48.1014, 45.6246



32.7159, 48.1014, 69.7961

Triad

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



32.0675, 48.1014, 45.6246



51.4544, 48.1014, 105.7399



56.2154, 48.1014, 24.9562

Complementary

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



32.0675, 48.1014, 45.6246



30.6321, 19.2969, 17.1509

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.



61.7782, 48.1014, 38.1233



32.0675, 48.1014, 45.6246



58.8129, 48.1014, 85.6820

Square

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



32.0675, 48.1014, 45.6246



43.2970, 48.1014, 109.5167



62.7808, 48.1014, 59.7588



48.2295, 48.1014, 19.6501

Rectangle

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



32.0675, 48.1014, 45.6246



34.9724, 48.1014, 87.0733



62.7808, 48.1014, 59.7588



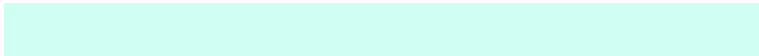
58.4682, 48.1014, 28.3893

Sweetspot

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



32.0688, 48.1033, 45.6257



77.3716, 91.1227, 97.3999



29.8896, 47.6673, 14.4637



16.0725, 19.2596, 20.4947



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.



32.0688, 48.1033, 45.6257



48.4068, 76.8024, 68.4085



29.7334, 37.4101, 63.4135



11.4083, 12.6731, 13.7076



17.0283, 28.5566, 22.6319



0.9092, 1.4855, 1.3294

Inverse Universe

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



30.6321, 19.2969, 17.1509



45.9444, 25.8289, 18.4192



31.4281, 23.3929, 9.6971



11.3353, 11.2628, 12.3002



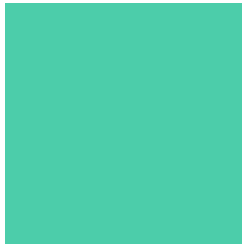
16.1467, 8.2693, 3.2250



0.8654, 0.4396, 0.3373

Previews

White Background



This preview shows how the XYZ color 32.0675, 48.1014, 45.6246 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 32.0675, 48.1014, 45.6246 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

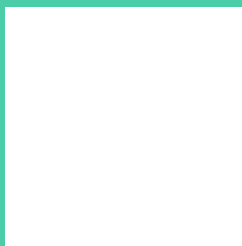
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0675, 48.1014, 45.6246

Background



This preview shows how black text looks on a background with the XYZ color 32.0675, 48.1014, 45.6246.



This preview shows how white text looks on a background with the XYZ color 32.0675, 48.1014,

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

32.0675, 48.1014, 45.6246

Protanopia

44.6377, 47.1310, 39.0923

Deuteranopia

48.1872, 47.2754, 47.6596



Tritanopia

37.3053, 48.1328, 71.6143

Trichromacy



Original Color

32.0675, 48.1014, 45.6246



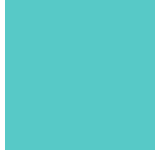
Protanomaly

37.5127, 45.9196, 41.0687



Deuteranomaly

39.3149, 45.7647, 46.8058



Tritanomaly

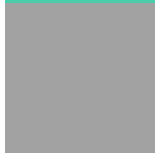
35.1259, 47.9230, 61.4316

Monochromacy



Original Color

32.0675, 48.1014, 45.6246



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.0720, 39.3827, 41.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0675, 48.1014, 45.6246 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(76, 205, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 205, 170)  
}
```

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(76, 205, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 205, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.0675, 48.1014, 45.6246 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(76, 205, 170) }
```


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

```
.border{ border-color:rgb(76, 205, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 205, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 205, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 205, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 205,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0675, 48.1014, 45.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 205, 170) }
```

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

```
.background{ background-color: rgb(76, 205,  
170) }
```

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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