

Converting Colors

XYZ(30.6969, 46.4831, 38.3102)

Have a look what the booklet for
XYZ(30.6969, 46.4831, 38.3102)
contains.

XYZ(30.6931, 46.4924, 38.3666)	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(30.6931, 46.4924,
38.3666)**

Conversions

Conversions Part 1

Format	Color
Hex	54CA9B
RGB	84, 202, 155
RGB Percent	33%, 79%, 61%
CMY	0.6706, 0.2078, 0.3921
CMYK	0.58, 0.00, 0.23, 0.21
HSL	156°, 53%, 56%
HSV	156°, 58%, 79%
XYZ	30.6931, 46.4924, 38.3666
YIQ	161.3600, -55.2410, -39.6330

Conversions

Conversions Part 2

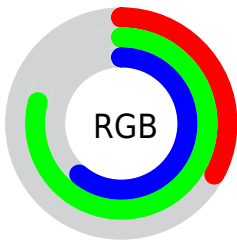
Format	Color
RYB	84, 158, 202
Decimal	5556891
CIELab	73.86, -44.31, 13.67
CIELCh	74, 46.372, 162.849
Yxy	46.4924, 0.2656, 0.4024
Android (android.graphics.Color)	4283746971 (0xFF54CA9B)
YUV	161.3600, -3.1355, -67.8447
Hunter-Lab	68.1853, -38.9739, 14.3684

Details

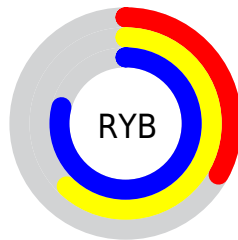
The XYZ color **30.6931, 46.4924, 38.3666** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.6257, 20.5371, 23.7718**, and the grayscale version is **34.0775, 35.8521, 39.0430**.

A 20% lighter version of the original color is **58.7206, 82.0128, 73.7079**, and **12.9324, 21.8669, 16.6358** is the 20% darker color. If you saturate the color by 10%, you get **28.4859, 45.4313, 34.8533**, and if you desaturate by 10%, it is **33.4691, 47.8440, 42.1437**.

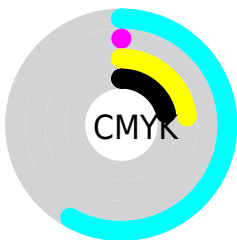
Distribution



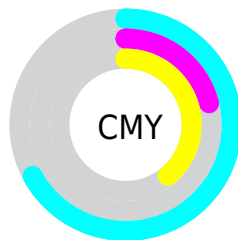
- Red (33%)
- Green (79%)
- Blue (61%)



- Red (33%)
- Yellow (62%)
- Blue (79%)



- Cyan (58%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)



- Cyan (67%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6931, 46.4924, 38.3666 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 30.6931, 46.4924, 38.3666 by changing the saturation by 10% instead.

■ 30.6931, 46.4924,
38.3666

■ 30.6931, 46.4924,
38.3666

296.9741,
372.7847, 354.5352

■ 20.5159, 32.6346,
25.9633

■ 60.1357, 84.9554,
73.8793

■ 12.8811, 21.8466,
16.5707

■ 80.1319, 110.3294,
97.8259

■ 7.4231, 13.7443,
9.7702

■ 104.1317,
140.3109, 126.4572

■ 3.7768, 7.9430,
5.1432

■ 132.5006,
175.2843, 160.1919

■ 1.5766, 4.0585,
2.2713

165.6040,
215.6340, 199.4485

■ 0.3771, 1.7063,
0.7151

203.8071,

■ 0.0000, 0.4278,

261.7444, 244.6456

0.0000

247.4754,
313.9998, 296.2016

■ 0.0000, 0.0000,
0.0000

■ 30.6931, 46.4924,
38.3666

■ 30.6931, 46.4924,
38.3666

■ 28.4859, 45.4313,
34.8533

■ 33.4691, 47.8440,
42.1437

■ 26.7966, 44.6308,
31.5937

■ 36.8517, 49.5018,
46.1877

■ 25.5714, 44.0646,
28.5817

■ 40.8797, 51.4869,
50.5057

■ 24.7251, 43.6888,
25.8085

■ 45.5875, 53.8169,
55.1035

■ 24.6058, 43.6365,
25.3896

■ 51.0069, 56.5083,
59.9867

■ 57.1677, 59.5762,
65.1606

■ 64.0981, 63.0350,
70.6306

■ 71.8246, 66.8984,
76.4015

■ 76.2842, 69.0718,
82.2871

Harmonies

Analogous

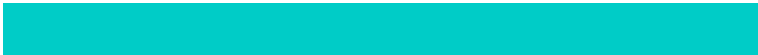
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2512, 46.4924, 24.0756



30.6931, 46.4924, 38.3666



30.4519, 46.4924, 61.4178

Triad

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



30.6931, 46.4924, 38.3666



47.8138, 46.4924, 109.1266



56.8767, 46.4924, 25.5759

Complementary

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



30.6931, 46.4924, 38.3666



31.6257, 20.5371, 23.7718

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.



61.5396, 46.4924, 41.1723



30.6931, 46.4924, 38.3666



55.8855, 46.4924, 91.7937

Square

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



30.6931, 46.4924, 38.3666



39.6726, 46.4924, 107.6594



61.1558, 46.4924, 65.2441



49.0371, 46.4924, 18.4272

Rectangle

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



30.6931, 46.4924, 38.3666



32.1524, 46.4924, 79.4965



61.1558, 46.4924, 65.2441



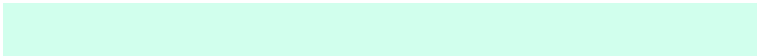
58.9089, 46.4924, 29.7534

Sweetspot

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



30.6944, 46.4943, 38.3677



77.3276, 91.1878, 93.4297



32.1133, 47.7244, 15.9074



16.0205, 19.2549, 19.4951



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.



30.6944, 46.4943, 38.3677



47.4216, 76.5336, 57.5655



32.7751, 43.0645, 62.4641



11.3467, 12.6484, 13.3831



15.8779, 28.0965, 16.5741



0.8559, 1.4642, 1.0489

Inverse Universe

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



31.6257, 20.5371, 23.7718



49.1727, 28.6235, 30.7845



30.1234, 21.5271, 10.9557



11.3943, 11.2865, 12.6112



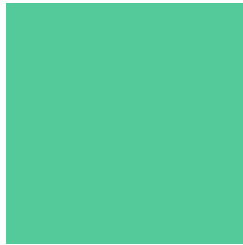
16.6575, 8.4736, 5.9152



0.8965, 0.4520, 0.5008

Previews

White Background



This preview shows how the XYZ color 30.6931, 46.4924, 38.3666 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 30.6931, 46.4924, 38.3666 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

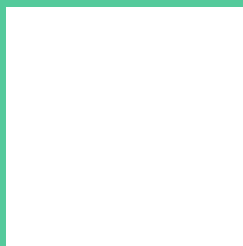
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6931, 46.4924, 38.3666

Background



This preview shows how black text looks on a background with the XYZ color 30.6931, 46.4924, 38.3666.

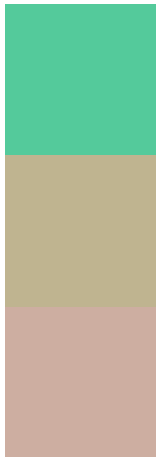


This preview shows how white text looks on a background with the XYZ color 30.6931, 46.4924,

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

30.6931, 46.4924, 38.3666

Protanopia

42.8412, 45.7325, 32.9548

Deuteranopia

46.7459, 45.8244, 40.0994



Tritanopia

36.6275, 46.5081, 68.0193

Trichromacy



Original Color

30.6931, 46.4924, 38.3666



Protanomaly

36.2774, 44.7800, 34.7483



Deuteranomaly

38.0964, 44.3612, 39.3556



Tritanomaly

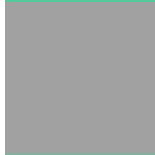
34.2077, 46.5388, 55.8951

Monochromacy



Original Color

30.6931, 46.4924, 38.3666



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.4562, 38.5404, 38.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6931, 46.4924, 38.3666 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(84, 202, 155)` looks like.

```
.text, #text, p{  
    color:rgb(84, 202, 155)  
}
```

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(84, 202, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 202, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.6931, 46.4924, 38.3666 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(84, 202, 155) }
```


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

```
.border{ border-color:rgb(84, 202, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 202, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 202, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 202, 155);  
box-shadow:4px 4px 4px 4px rgb(84, 202,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6931, 46.4924, 38.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 202, 155) }
```

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

```
.background{ background-color: rgb(84, 202,  
155) }
```

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