

Converting Colors

XYZ(30.9466, 50.4560, 30.6215)

Have a look what the booklet for
XYZ(30.9466, 50.4560, 30.6215)
contains.

XYZ(30.9071, 50.3860, 30.6507)	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(30.9071, 50.3860,
30.6507)**

Conversions

Conversions Part 1

Format	Color
Hex	4DD486
RGB	77, 212, 134
RGB Percent	30%, 83%, 53%
CMY	0.6980, 0.1686, 0.4745
CMYK	0.64, 0.00, 0.37, 0.17
HSL	145°, 61%, 57%
HSV	145°, 64%, 83%
XYZ	30.9071, 50.3860, 30.6507
YIQ	162.7430, -55.4220, -52.8780

Conversions

Conversions Part 2

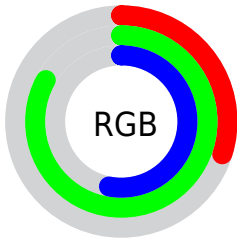
Format	Color
RYB	77, 172, 212
Decimal	5100678
CIELab	76.31, -54.04, 28.07
CIElCh	76, 60.895, 152.550
Yxy	50.3860, 0.2761, 0.4501
Android (android.graphics.Color)	4283290758 (0xFF4DD486)
YUV	162.7430, -14.1703, -75.1966
Hunter-Lab	70.9831, -46.4989, 24.0866

Details

The XYZ color **30.9071, 50.3860, 30.6507** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **35.7232, 21.6723, 33.3124**, and the grayscale version is **34.7760, 36.5871, 39.8433**.

A 20% lighter version of the original color is **55.4846, 80.6398, 60.2177**, and **13.4498, 24.4015, 12.1847** is the 20% darker color. If you saturate the color by 10%, you get **28.6618, 49.3230, 26.3418**, and if you desaturate by 10%, it is **33.8112, 51.7800, 35.5092**.

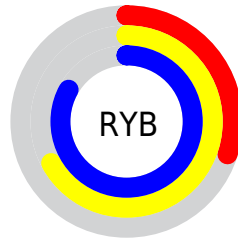
Distribution



Red (30%)

Green (83%)

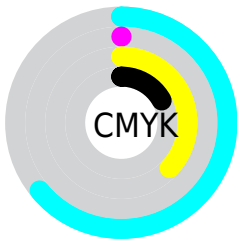
Blue (53%)



Red (30%)

Yellow (67%)

Blue (83%)

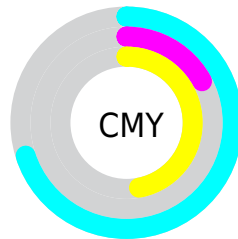


Cyan (64%)

Magenta (0%)

Yellow (37%)

Black (17%)



Cyan (70%)


Magenta (17%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9071, 50.3860, 30.6507 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 30.9071, 50.3860, 30.6507 by changing the saturation by 10% instead.


 30.9071, 50.3860,
30.6507


 30.9071, 50.3860,
30.6507


297.9446,
388.1735, 319.2271


 20.6796, 35.7202,
20.0768


 60.4706, 90.7465,
61.7628


 13.0011, 24.2182,
12.2662

 80.5373, 117.2100,
83.1381

 7.5063, 15.4955,
6.8005


 104.6145,
148.3749, 108.9509

 3.8298, 9.1679,
3.2611

 133.0675,
184.6256, 139.6199

 1.6063, 4.8509,
1.2295

166.2617,
226.3463, 175.5634

 0.3965, 2.1600,
0.0029

204.5623,

 0.0000, 0.6981,

273.9217, 217.2001

0.0000

248.3349,
327.7359, 264.9484

■ 0.0000, 0.0000,
0.0000

■ 30.9071, 50.3860,
30.6507

■ 30.9071, 50.3860,
30.6507

■ 28.6618, 49.3230,
26.3418

■ 33.8112, 51.7800,
35.5092

■ 27.0116, 48.5543,
22.5588

■ 37.4223, 53.5253,
40.9332

■ 25.8860, 48.0454,
19.2809

■ 41.7884, 55.6476,
46.9417

■ 25.3692, 47.8188,
17.4571

■ 46.9520, 58.1686,
53.5522

■ 52.9522, 61.1080,
60.7812

■ 59.8257, 64.4845,
68.6444

■ 67.6068, 68.3155,
77.1573

■ 76.3280, 72.6173,
86.3345

■ 81.1508, 74.8954,
95.9623

Harmonies

Analogous

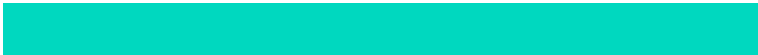
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0069, 50.3860, 17.0583



30.9071, 50.3860, 30.6507



29.1104, 50.3860, 57.7113

Triad

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



30.9071, 50.3860, 30.6507



48.8753, 50.3860, 144.8890



68.9200, 50.3860, 27.4755

Complementary

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



30.9071, 50.3860, 30.6507



35.7232, 21.6723, 33.3124

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.



73.3881, 50.3860, 52.1076



30.9071, 50.3860, 30.6507



60.7224, 50.3860, 126.9080

Square

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



30.9071, 50.3860, 30.6507



38.4521, 50.3860, 131.8715



70.1744, 50.3860, 89.3141



58.7590, 50.3860, 15.8045

Rectangle

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



30.9071, 50.3860, 30.6507



30.3175, 50.3860, 82.7292



70.1744, 50.3860, 89.3141



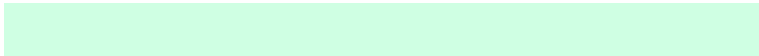
71.2045, 50.3860, 34.0818

Sweetspot

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



30.9084, 50.3880, 30.6519



75.2326, 90.2671, 86.1358



38.5466, 54.6681, 15.5419



15.5549, 19.0526, 17.7689



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.



30.9084, 50.3880, 30.6519



42.6567, 74.5024, 38.1290



37.1188, 52.8722, 63.3555



12.4778, 13.9821, 14.3305



15.7087, 29.5388, 11.0278



0.9883, 1.7980, 0.8803

Inverse Universe

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



35.7232, 21.6723, 33.3124



50.4791, 27.6428, 42.2987



31.5784, 20.0144, 11.4862



12.7210, 12.5399, 14.4712



19.0004, 9.5365, 12.5722



1.1870, 0.5916, 0.9740

Previews

White Background



This preview shows how the XYZ color 30.9071, 50.3860, 30.6507 looks on a white background.

Color Contrast Check

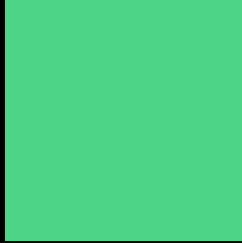
Large Text (above 18pt) WCAG AA × Fail

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 30.9071, 50.3860, 30.6507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

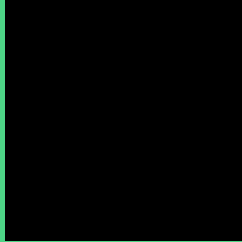
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9071, 50.3860, 30.6507

Background



This preview shows how black text looks on a background with the XYZ color 30.9071, 50.3860, 30.6507.



This preview shows how white text looks on a background with the XYZ color 30.9071, 50.3860,

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

30.9071, 50.3860, 30.6507

Protanopia

46.0370, 49.6924, 26.2340

Deuteranopia

50.5178, 49.4088, 32.4655



Tritanopia

39.4843, 50.2461, 73.9471

Trichromacy



Original Color

30.9071, 50.3860, 30.6507



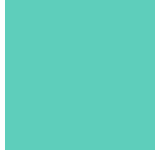
Protanomaly

37.5408, 48.2065, 27.7482



Deuteranomaly

39.4395, 47.4505, 31.5063



Tritanomaly

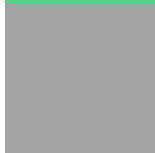
35.6570, 50.1102, 54.8066

Monochromacy



Original Color

30.9071, 50.3860, 30.6507



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.7071, 40.2203, 35.7979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9071, 50.3860, 30.6507 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(77, 212, 134)` looks like.

```
.text, #text, p{  
    color:rgb(77, 212, 134)  
}
```

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(77, 212, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 212, 134) }
```

Border

The CSS property to change the border of an element to XYZ 30.9071, 50.3860, 30.6507 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(77, 212, 134) }
```


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

```
.border{ border-color:rgb(77, 212, 134) }
```

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

Here you see how a box with a 4 pixel rgb(77, 212, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 212, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 212, 134);  
box-shadow:4px 4px 4px 4px rgb(77, 212,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9071, 50.3860, 30.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 212, 134) }
```

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

```
.background{ background-color: rgb(77, 212,  
134) }
```

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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