

Converting Colors

XYZ(30.9815, 47.4022, 26.5735)

Have a look what the booklet for
XYZ(30.9815, 47.4022, 26.5735)
contains.

XYZ(30.9379, 47.2313, 26.5547)	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(30.9379, 47.2313,
26.5547)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACB7C
RGB	106, 203, 124
RGB Percent	42%, 80%, 49%
CMY	0.5843, 0.2039, 0.5137
CMYK	0.48, 0.00, 0.39, 0.20
HSL	131°, 48%, 61%
HSV	131°, 48%, 80%
XYZ	30.9379, 47.2313, 26.5547
YIQ	164.9910, -32.4530, -45.1330

Conversions

Conversions Part 2

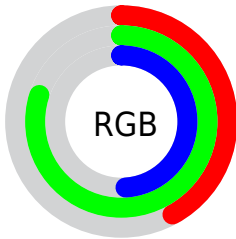
Format	Color
RYB	106, 188, 203
Decimal	6998908
CIELab	74.34, -45.44, 30.80
CIELCh	74, 54.895, 145.873
Yxy	47.2313, 0.2954, 0.4510
Android (android.graphics.Color)	4285188988 (0xFF6ACB7C)
YUV	164.9910, -20.2086, -51.7351
Hunter-Lab	68.7250, -39.9136, 25.1984

Details

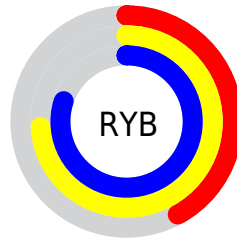
The XYZ color **30.9379, 47.2313, 26.5547** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.5411, 26.5083, 48.9859**, and the grayscale version is **35.8659, 37.7337, 41.0920**.

A 20% lighter version of the original color is **58.5961, 82.3757, 54.4067**, and **12.9982, 22.2786, 10.0937** is the 20% darker color. If you saturate the color by 10%, you get **27.8457, 45.7494, 21.4025**, and if you desaturate by 10%, it is **34.7788, 49.0816, 32.6591**.

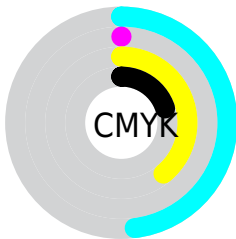
Distribution



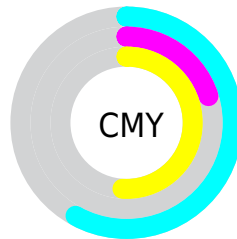
- Red (42%)
- Green (80%)
- Blue (49%)



- Red (42%)
- Yellow (74%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)





- Cyan (58%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9379, 47.2313, 26.5547 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 30.9379, 47.2313, 26.5547 by changing the saturation by 10% instead.


 30.9379, 47.2313,
26.5547


 30.9379, 47.2313,
26.5547


298.0841,
375.7370, 299.1862


 20.7032, 33.2185,
17.0096


 60.5188, 86.0588,
55.1635


 13.0184, 22.2939,
10.0793


 80.5957, 111.6423,
75.0643

 7.5183, 14.0730,
5.3453


 104.6839,
141.8515, 99.2540

 3.8375, 8.1715,
2.3890

 133.1490,
177.0708, 128.1513

 1.6106, 4.2049,
0.7804

166.3562,
217.6846, 162.1746

 0.3993, 1.7888,
0.0000

204.6709,

 0.0000, 0.4802,

264.0774, 201.7425

0.0000

248.4584,
316.6334, 247.2735

■ 0.0000, 0.0000,
0.0000

■ 30.9379, 47.2313,
26.5547

■ 30.9379, 47.2313,
26.5547

■ 27.8457, 45.7494,
21.4025

■ 34.7788, 49.0816,
32.6591

■ 25.4490, 44.6055,
17.1514

■ 39.4099, 51.3167,
39.7570

■ 23.6931, 43.7737,
13.7503


■ 44.8738, 53.9591,
47.8912


■ 22.5132, 43.2220,
11.1417


■ 51.2091, 57.0277,
57.1011


■ 21.8193, 42.9052,
9.2602

■ 58.4518, 60.5405,
67.4239

 21.7014, 42.8515,
8.9335

 66.6360, 64.5142,
78.8950

 75.7940, 68.9647,
91.5484

 80.6469, 71.1937,
104.0990

Harmonies

Analogous

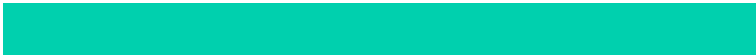
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1060, 47.2313, 16.3765



30.9379, 47.2313, 26.5547



28.4927, 47.2313, 47.6115

Triad

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



30.9379, 47.2313, 26.5547



43.5392, 47.2313, 126.9612



64.2340, 47.2313, 31.1611

Complementary

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



30.9379, 47.2313, 26.5547



38.5411, 26.5083, 48.9859

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.



66.6168, 47.2313, 55.4407



30.9379, 47.2313, 26.5547



53.6972, 47.2313, 117.5080

Square

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



30.9379, 47.2313, 26.5547



35.0601, 47.2313, 110.8483



62.5143, 47.2313, 88.3636



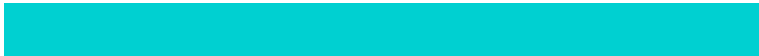
56.4088, 47.2313, 18.2702

Rectangle

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



30.9379, 47.2313, 26.5547



28.9939, 47.2313, 67.7782



62.5143, 47.2313, 88.3636



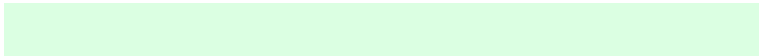
65.7430, 47.2313, 37.9426

Sweetspot

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



30.9391, 47.2333, 26.5558



78.7809, 92.1135, 85.5249



44.0192, 54.0960, 21.7576



16.3834, 19.4841, 17.6056



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.



30.9391, 47.2333, 26.5558



46.6353, 76.6079, 35.8541



34.7748, 48.7675, 46.7544



11.1517, 12.5704, 12.3561



13.8350, 27.2793, 5.8159



0.7400, 1.4178, 0.4385

Inverse Universe

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



38.5411, 26.5083, 48.9859



60.7856, 37.9394, 77.5380



34.2790, 24.8035, 26.5421



11.5948, 11.3666, 13.6667



20.0461, 9.8290, 23.7593



1.0579, 0.5166, 1.3508

Previews

White Background



This preview shows how the XYZ color 30.9379, 47.2313, 26.5547 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 30.9379, 47.2313, 26.5547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

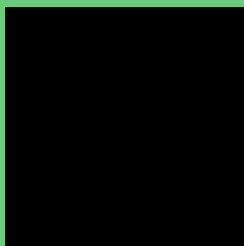
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9379, 47.2313, 26.5547

Background



This preview shows how black text looks on a background with the XYZ color 30.9379, 47.2313, 26.5547.



This preview shows how white text looks on a background with the XYZ color 30.9379, 47.2313,

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

30.9379, 47.2313, 26.5547

Protanopia

43.1112, 46.6995, 22.9614

Deuteranopia

47.5517, 46.5097, 27.9438



Tritanopia

38.9126, 47.0540, 66.7059

Trichromacy



Original Color

30.9379, 47.2313, 26.5547



Protanomaly

37.2005, 46.1343, 24.0837



Deuteranomaly

39.1497, 45.4865, 27.1384



Tritanomaly

35.3733, 46.9584, 48.7945

Monochromacy



Original Color

30.9379, 47.2313, 26.5547



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1267, 40.3715, 34.9007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9379, 47.2313, 26.5547 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(106, 203, 124)` looks like.

```
.text, #text, p{  
    color:rgb(106, 203, 124)  
}
```

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(106, 203, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 203, 124) }
```

Border

The CSS property to change the border of an element to XYZ 30.9379, 47.2313, 26.5547 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(106, 203, 124) }
```


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

```
.border{ border-color:rgb(106, 203, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 203, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 203, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 203, 124);  
box-shadow:4px 4px 4px 4px rgb(106, 203,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9379, 47.2313, 26.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 203, 124) }
```

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

```
.background{ background-color: rgb(106,  
203, 124) }
```

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