

Converting Colors

XYZ(30.8639, 50.1798, 26.5301)

Have a look what the booklet for
XYZ(30.8639, 50.1798, 26.5301)
contains.

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Color

**XYZ(30.8316, 50.0684,
26.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	58D37A
RGB	88, 211, 122
RGB Percent	35%, 83%, 48%
CMY	0.6549, 0.1725, 0.5216
CMYK	0.58, 0.00, 0.42, 0.17
HSL	137°, 58%, 59%
HSV	137°, 58%, 83%
XYZ	30.8316, 50.0684, 26.4515
YIQ	164.0770, -44.7390, -53.7550

Conversions

Conversions Part 2

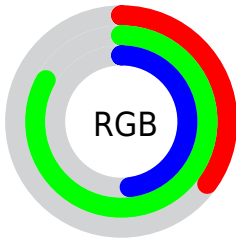
Format	Color
R_{YB}	88, 184, 211
Decimal	5821306
CIE _{Lab}	76.11, -53.48, 34.02
CIE _{LCh}	76, 63.384, 147.540
Yxy	50.0684, 0.2872, 0.4664
Android (android.graphics.Color)	4284011386 (0xFF58D37A)
YUV	164.0770, -20.7440, -66.7195
Hunter-Lab	70.7590, -46.0511, 27.3672

Details

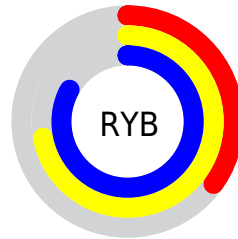
The XYZ color **30.8316, 50.0684, 26.4515** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.2910, 24.0036, 44.2114**, and the grayscale version is **35.4352, 37.2806, 40.5986**.

A 20% lighter version of the original color is **55.5305, 80.8182, 53.2301**, and **12.9161, 23.9235, 10.0678** is the 20% darker color. If you saturate the color by 10%, you get **28.2431, 48.8362, 21.7746**, and if you desaturate by 10%, it is **34.1492, 51.6621, 31.9405**.

Distribution



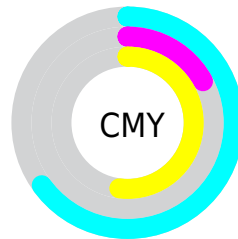
- Red (35%)
- Green (83%)
- Blue (48%)



- Red (35%)
- Yellow (72%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (42%)
- Black (17%)





- Cyan (65%)
- Magenta (17%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8316, 50.0684, 26.4515 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 30.8316, 50.0684, 26.4515 by changing the saturation by 10% instead.

 30.8316, 50.0684,
26.4515


 30.8316, 50.0684,
26.4515


297.6025,
386.9334, 298.6672

 20.6218, 35.4677,
16.9329


 60.3525, 90.2762,
54.9954


 12.9587, 24.0234,
10.0252


 80.3943, 116.6522,
74.8579

 7.4769, 15.3510,
5.3099


 104.4443,
147.7220, 99.0053

 3.8111, 9.0661,
2.3683

 132.8676,
183.8701, 127.8564

 1.5958, 4.7843,
0.7691

166.0298,
225.4809, 161.8296

 0.3897, 2.1213,
0.0000

204.2961,

 0.0000, 0.6766,

272.9388, 201.3434

0.0000

248.0319,
326.6282, 246.8164

■ 0.0000, 0.0000,
0.0000

■ 30.8316, 50.0684,
26.4515

■ 30.8316, 50.0684,
26.4515

■ 28.2431, 48.8362,
21.7746

■ 34.1492, 51.6621,
31.9405

■ 26.3215, 47.9301,
17.8676

■ 38.2438, 53.6370,
38.2745

■ 25.0002, 47.3180,
14.6895

■ 43.1637, 56.0187,
45.4886

■ 24.1808, 46.9499,
12.1930

■ 48.9519, 58.8287,
53.6147

■ 24.0673, 46.8993,
11.8307

■ 55.6485, 62.0872,
62.6835

■ 63.2910, 65.8127,
72.7239

■ 71.9147, 70.0230,
83.7637

■ 80.8863, 74.3909,
95.7983

■ 82.5852, 75.0705,
104.7451

Harmonies

Analogous

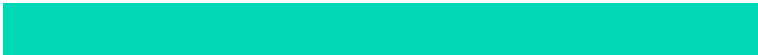
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8089, 50.0684, 14.7044



30.8316, 50.0684, 26.4515



28.2565, 50.0684, 51.7625

Triad

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



30.8316, 50.0684, 26.4515



46.6171, 50.0684, 149.1902



70.7934, 50.0684, 29.5619

Complementary

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



30.8316, 50.0684, 26.4515



38.2910, 24.0036, 44.2114

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.



74.1844, 50.0684, 57.3654



30.8316, 50.0684, 26.4515



58.9239, 50.0684, 135.2919

Square

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



30.8316, 50.0684, 26.4515



36.3742, 50.0684, 130.2220



69.5264, 50.0684, 97.5890



60.8990, 50.0684, 15.9051

Rectangle

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



30.8316, 50.0684, 26.4515



28.9966, 50.0684, 76.6494



69.5264, 50.0684, 97.5890



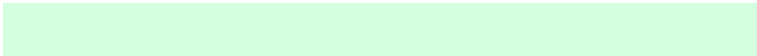
72.7966, 50.0684, 37.1151

Sweetspot

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



30.8329, 50.0705, 26.4526



76.2154, 90.8270, 83.7748



43.4635, 56.7841, 17.9025



15.8965, 19.2382, 17.3573



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.



30.8329, 50.0705, 26.4526



42.5361, 74.5793, 31.8386



35.7948, 52.0552, 52.5816



11.7887, 13.2592, 13.2436



14.5616, 28.3176, 7.3375



0.8481, 1.5969, 0.5887

Inverse Universe

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



38.2910, 24.0036, 44.2114



54.9581, 30.9377, 61.2499



33.5483, 22.1065, 19.2366



12.1656, 11.9510, 14.1477



19.7115, 9.7574, 19.1846



1.1348, 0.5586, 1.2445

Previews

White Background



This preview shows how the XYZ color 30.8316, 50.0684, 26.4515 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 30.8316, 50.0684, 26.4515 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 30.8316, 50.0684, 26.4515

Background



This preview shows how black text looks on a background with the XYZ color 30.8316, 50.0684, 26.4515.

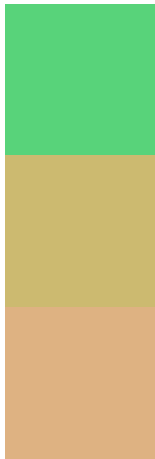


This preview shows how white text looks on a background with the XYZ color 30.8316, 50.0684,

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

30.8316, 50.0684, 26.4515

Protanopia

45.3854, 49.1250, 22.4192

Deuteranopia

50.0739, 48.9821, 27.9344



Tritanopia

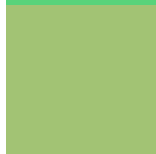
39.9884, 49.8438, 72.4790

Trichromacy



Original Color

30.8316, 50.0684, 26.4515



Protanomaly

37.5678, 47.9725, 23.8026



Deuteranomaly

39.4778, 47.2435, 27.1169



Tritanomaly

35.8621, 49.5664, 51.9331

Monochromacy



Original Color

30.8316, 50.0684, 26.4515



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.1020, 40.4519, 34.5498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8316, 50.0684, 26.4515 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(88, 211, 122)` looks like.

```
.text, #text, p{  
    color:rgb(88, 211, 122)  
}
```

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(88, 211, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 211, 122) }
```

Border

The CSS property to change the border of an element to XYZ 30.8316, 50.0684, 26.4515 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(88, 211, 122) }
```


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

```
.border{ border-color:rgb(88, 211, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 211, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 211, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 211, 122);  
box-shadow:4px 4px 4px 4px rgb(88, 211,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8316, 50.0684, 26.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 211, 122) }
```

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

```
.background{ background-color: rgb(88, 211,  
122) }
```

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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