

Converting Colors

XYZ(30.7821, 50.5481, 18.7473)

Have a look what the booklet for
XYZ(30.7821, 50.5481, 18.7473)
contains.

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Color

**XYZ(30.8194, 50.6044,
18.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	64D45E
RGB	100, 212, 94
RGB Percent	39%, 83%, 37%
CMY	0.6078, 0.1686, 0.6314
CMYK	0.53, 0.00, 0.56, 0.17
HSL	117°, 58%, 60%
HSV	117°, 56%, 83%
XYZ	30.8194, 50.6044, 18.7330
YIQ	165.0600, -28.8740, -60.4420

Conversions

Conversions Part 2

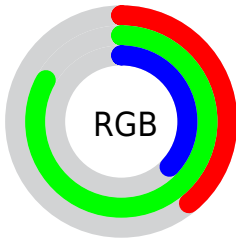
Format	Color
RYB	94, 212, 206
Decimal	6607966
CIELab	76.44, -54.94, 48.14
CIELCh	76, 73.047, 138.773
Yxy	50.6044, 0.3077, 0.5053
Android (android.graphics.Color)	4284798046 (0xFF64D45E)
YUV	165.0600, -35.0326, -57.0576
Hunter-Lab	71.1368, -47.1557, 34.1824

Details

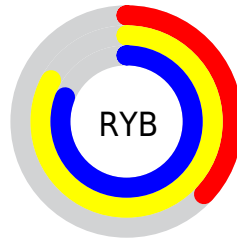
The XYZ color **30.8194, 50.6044, 18.7330** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **41.3426, 25.8825, 65.1068**, and the grayscale version is **35.9668, 37.8399, 41.2077**.

A 20% lighter version of the original color is **55.3245, 80.9975, 40.3219**, and **12.8844, 24.2441, 6.0983** is the 20% darker color. If you saturate the color by 10%, you get **28.0385, 49.2675, 14.3010**, and if you desaturate by 10%, it is **34.4136, 52.3334, 24.5688**.

Distribution



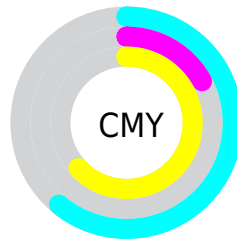
- Red (39%)
- Green (83%)
- Blue (37%)



- Red (37%)
- Yellow (83%)
- Blue (81%)



- Cyan (53%)
- Magenta (0%)
- Yellow (56%)
- Black (17%)



- Cyan (61%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8194, 50.6044, 18.7330 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 30.8194, 50.6044, 18.7330 by changing the saturation by 10% instead.

■ 30.8194, 50.6044,
18.7330

■ 30.8194, 50.6044,
18.7330

297.5472,
389.0248, 257.3442

■ 20.6125, 35.8939,
11.3027

■ 60.3334, 91.0697,
42.1131

■ 12.9519, 24.3522,
6.1541

■ 80.3712, 117.5933,
58.9000

■ 7.4722, 15.5951,
2.8687

■ 104.4168,
148.8234, 79.6427

■ 3.8081, 9.2381,
1.0280

■ 132.8353,
185.1444, 104.7599

■ 1.5941, 4.8968,
0.0000

165.9923,
226.9406, 134.6702

■ 0.3886, 2.1868,
0.0000

204.2530,

■ 0.0000, 0.7128,

274.5965, 169.7919

0.0000

247.9829,
328.4964, 210.5438

■ 0.0000, 0.0000,
0.0000

■ 30.8194, 50.6044,
18.7330

■ 30.8194, 50.6044,
18.7330

■ 28.0385, 49.2675,
14.3010

■ 34.4136, 52.3334,
24.5688

■ 26.0041, 48.2864,
11.1517

■ 38.8740, 54.4749,
31.9093

■ 24.6448, 47.6285,
9.1497

■ 44.2532, 57.0557,
40.8501

■ 23.8735, 47.2527,
8.1267

■ 50.5987, 60.0982,
51.4778

■ 23.6795, 47.1586,
7.8545

■ 57.9545, 63.6236,
63.8730

■ 66.3622, 67.6515,
78.1109

■ 75.8608, 72.2005,
94.2625

■ 82.8345, 75.5689,
104.8282

Harmonies

Analogous

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



40.0771, 50.6044, 9.9937



30.8194, 50.6044, 18.7330



26.5369, 50.6044, 41.6263

Triad

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



30.8194, 50.6044, 18.7330



43.1292, 50.6044, 167.8237



77.7432, 50.6044, 34.1377

Complementary

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



30.8194, 50.6044, 18.7330



41.3426, 25.8825, 65.1068

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.



78.9908, 50.6044, 71.2054



30.8194, 50.6044, 18.7330



57.1234, 50.6044, 162.4595

Square

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



30.8194, 50.6044, 18.7330



32.6855, 50.6044, 133.9781



70.8631, 50.6044, 121.6295



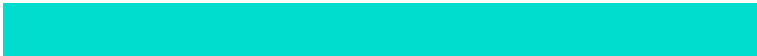
67.7232, 50.6044, 15.5042

Rectangle

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



30.8194, 50.6044, 18.7330



26.4048, 50.6044, 67.4812



70.8631, 50.6044, 121.6295



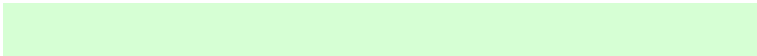
79.2650, 50.6044, 44.3335

Sweetspot

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



30.8206, 50.6065, 18.7341



75.2883, 90.5299, 75.5620



50.7986, 58.0569, 19.1192



15.6799, 19.1686, 15.4439



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.



30.8206, 50.6065, 18.7341



41.8635, 74.4809, 20.5882



33.2823, 51.5174, 35.0332



12.3202, 13.9258, 13.1993



14.6433, 29.1252, 4.8500



0.9042, 1.7675, 0.2935

Inverse Universe

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



41.3426, 25.8825, 65.1068



59.3492, 33.2341, 97.8945



37.5771, 24.5723, 36.4207



12.8878, 12.5991, 15.6901



22.2706, 10.6334, 39.3318



1.3628, 0.6514, 2.3732

Previews

White Background



This preview shows how the XYZ color 30.8194, 50.6044, 18.7330 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 30.8194, 50.6044, 18.7330 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

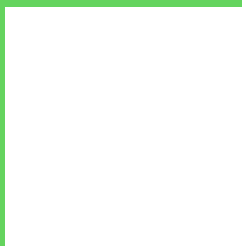
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8194, 50.6044, 18.7330

Background



This preview shows how black text looks on a background with the XYZ color 30.8194, 50.6044, 18.7330.



This preview shows how white text looks on a background with the XYZ color 30.8194, 50.6044,

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

30.8194, 50.6044, 18.7330

Protanopia

45.4625, 49.6224, 15.9861

Deuteranopia

50.6817, 49.4781, 19.7110



Tritanopia

41.2934, 50.1888, 71.8010

Trichromacy



Original Color

30.8194, 50.6044, 18.7330



Protanomaly

37.9053, 48.6361, 16.8411



Deuteranomaly

40.0051, 47.6921, 19.1536



Tritanomaly

36.2797, 49.9079, 46.2491

Monochromacy



Original Color

30.8194, 50.6044, 18.7330



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.3727, 40.9827, 30.6303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8194, 50.6044, 18.7330 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(100, 212, 94)` looks like.

```
.text, #text, p{  
    color:rgb(100, 212, 94)  
}
```

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(100, 212, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 212, 94) }
```

Border

The CSS property to change the border of an element to XYZ 30.8194, 50.6044, 18.7330 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(100, 212, 94) }
```


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

```
.border{ border-color:rgb(100, 212, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 212, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 212, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 212, 94);  
box-shadow:4px 4px 4px 4px rgb(100, 212,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8194, 50.6044, 18.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 212, 94) }
```

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

```
.background{ background-color: rgb(100,  
212, 94) }
```

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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