

Converting Colors

XYZ(32.0885, 50.1948, 8.7497)

Have a look what the booklet for
XYZ(32.0885, 50.1948, 8.7497)
contains.

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Color

**XYZ(32.1512, 50.4047,
8.7936)**

Conversions

Conversions Part 1

Format	Color
Hex	82D116
RGB	130, 209, 22
RGB Percent	51%, 82%, 9%
CMY	0.4902, 0.1804, 0.9137
CMYK	0.38, 0.00, 0.89, 0.18
HSL	85°, 81%, 45%
HSV	85°, 89%, 82%
XYZ	32.1512, 50.4047, 8.7936
YIQ	164.0610, 12.9430, -74.9050

Conversions

Conversions Part 2

Format	Color
R_{YB}	22, 209, 101
Decimal	8573206
CIE _{Lab}	76.32, -49.54, 72.72
CIE _{LCh}	76, 87.986, 124.263
Yxy	50.4047, 0.3520, 0.5518
Android (android.graphics.Color)	4286763286 (0xFF82D116)
YUV	164.0610, -70.0361, -29.8715
Hunter-Lab	70.9963, -43.4084, 42.3537

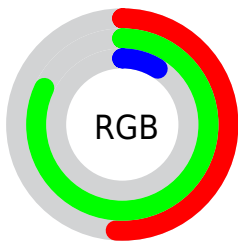
Details

The XYZ color **32.1512, 50.4047, 8.7936** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **17.1654, 7.9459, 60.9535**, and the grayscale version is **35.6364, 37.4922, 40.8290**.

A 20% lighter version of the original color is **58.6346, 83.0941, 22.8459**, and **14.0814, 24.4133, 3.9701** is the 20% darker color. If you saturate the color by 10%, you get **30.7165, 49.6827, 8.0028**, and if you desaturate by 10%, it is **33.8552, 51.2513, 10.3855**.

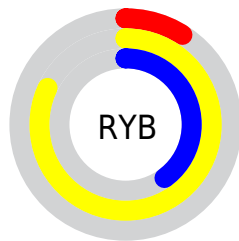
Distribution



Red (51%)

Green (82%)

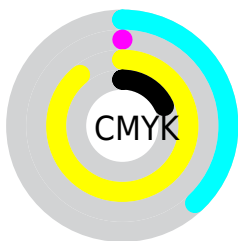
Blue (9%)



Red (9%)

Yellow (82%)

Blue (40%)

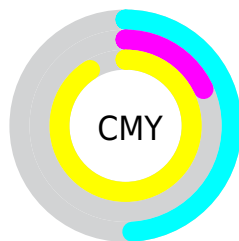


Cyan (38%)

Magenta (0%)

Yellow (89%)

Black (18%)



Cyan (49%)


Magenta (18%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1512, 50.4047, 8.7936 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 32.1512, 50.4047, 8.7936 by changing the saturation by 10% instead.


 32.1512, 50.4047,
8.7936


 32.1512, 50.4047,
8.7936


303.5405,
388.2465, 191.9916


 21.6331, 35.7351,
4.5118


 62.4116, 90.7742,
24.0715

 13.7027, 24.2297,
1.9101


 82.8847, 117.2429,
35.9047

 7.9945, 15.5041,
0.4992


 107.4068,
148.4133, 51.0921

 4.1432, 9.1739,
0.0000

 136.3433,
184.6700, 70.0523

 1.7835, 4.8548,
0.0000

 170.0596,
226.3972, 93.2039

 0.5077, 2.1623,
0.0000

 208.9210,

 0.0000, 0.6993,

273.9795, 120.9652

0.0000

253.2928,
327.8011, 153.7550

■ 0.0000, 0.0000,
0.0000

■ 32.1512, 50.4047,
8.7936

■ 32.1512, 50.4047,
8.7936

■ 30.7165, 49.6827,
8.0028

■ 33.8552, 51.2513,
10.3855

■ 30.6445, 49.6463,
7.9676

■ 35.8732, 52.2355,
13.0147

■ 38.2356, 53.3715,
16.8218

■ 40.9673, 54.6697,
21.9244

■ 44.0905, 56.1391,
28.4261

■ 47.6253, 57.7881,
36.4198

■ 51.5902, 59.6243,
45.9907

■ 56.0025, 61.6550,
57.2173

■ 60.8784, 63.8869,
70.1731

Harmonies

Analogous

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



45.5844, 50.4047, 4.9592



32.1512, 50.4047, 8.7936



24.6044, 50.4047, 24.0878

Triad

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



32.1512, 50.4047, 8.7936



35.3907, 50.4047, 184.4697



87.1019, 50.4047, 48.3906

Complementary

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



32.1512, 50.4047, 8.7936



17.1654, 7.9459, 60.9535

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.



82.6159, 50.4047, 104.6506



32.1512, 50.4047, 8.7936



50.3096, 50.4047, 204.8735

Square

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



32.1512, 50.4047, 8.7936



26.1507, 50.4047, 123.7244



68.1197, 50.4047, 169.7010



79.2650, 50.4047, 17.9340

Rectangle

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



32.1512, 50.4047, 8.7936



22.7341, 50.4047, 46.2777



68.1197, 50.4047, 169.7010



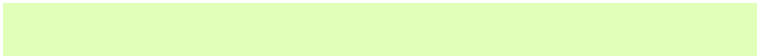
86.9958, 50.4047, 64.4921

Sweetspot

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



32.1524, 50.4069, 8.7947



75.9748, 91.2258, 60.1421



30.9909, 22.7143, 3.5107



15.8252, 19.3233, 11.8484



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.



32.1524, 50.4069, 8.7947



47.8393, 77.7471, 12.4853



23.7311, 46.0656, 8.4006



12.3007, 13.5385, 12.5769



19.0083, 30.6681, 4.9177



1.1524, 1.7609, 0.2792

Inverse Universe

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



17.1654, 7.9459, 60.9535



24.2028, 10.3919, 95.3379



33.8964, 16.5710, 61.7365



11.6304, 11.6583, 14.8809



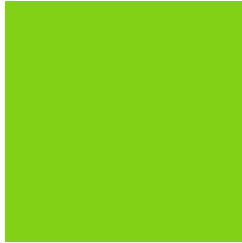
9.7024, 4.1820, 37.4883



0.6322, 0.2801, 2.1003

Previews

White Background



This preview shows how the XYZ color 32.1512, 50.4047, 8.7936 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 32.1512, 50.4047, 8.7936 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 32.1512, 50.4047, 8.7936

Background



This preview shows how black text looks on a background with the XYZ color 32.1512, 50.4047, 8.7936.



This preview shows how white text looks on a background with the XYZ color 32.1512, 50.4047,

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

32.1512, 50.4047, 8.7936

Protanopia

44.9198, 49.8444, 7.6342

Deuteranopia

50.6745, 49.7002, 9.5070



Tritanopia

44.0615, 50.0090, 68.3032

Trichromacy



Original Color

32.1512, 50.4047, 8.7936

Protanomaly

39.1249, 49.4623, 7.9753

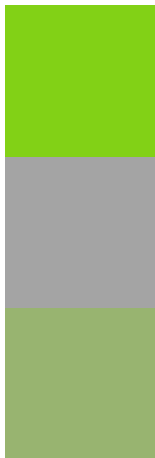
Deuteranomaly

41.5575, 48.3991, 8.9019

Tritanomaly

36.9830, 48.8196, 33.0651

Monochromacy



Original Color

32.1512, 50.4047, 8.7936

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.1948, 40.4878, 21.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1512, 50.4047, 8.7936 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(130, 209, 22)` looks like.

```
.text, #text, p{  
    color:rgb(130, 209, 22)  
}
```

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(130, 209, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 209, 22) }
```

Border

The CSS property to change the border of an element to XYZ 32.1512, 50.4047, 8.7936 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(130, 209, 22) }
```


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

```
.border{ border-color:rgb(130, 209, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 209, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 209, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 209, 22);  
box-shadow:4px 4px 4px 4px rgb(130, 209,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1512, 50.4047, 8.7936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 209, 22) }
```

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

```
.background{ background-color: rgb(130,  
209, 22) }
```

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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