

Converting Colors

XYZ(33.4825, 50.8719, 9.5116)

Have a look what the booklet for
XYZ(33.4825, 50.8719, 9.5116)
contains.

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Color

**XYZ(33.3116, 50.6248,
9.4547)**

Conversions

Conversions Part 1

Format	Color
Hex	8AD021
RGB	138, 208, 33
RGB Percent	54%, 82%, 13%
CMY	0.4588, 0.1843, 0.8705
CMYK	0.34, 0.00, 0.84, 0.18
HSL	84°, 73%, 47%
HSV	84°, 84%, 82%
XYZ	33.3116, 50.6248, 9.4547
YIQ	167.1200, 14.4550, -69.2650

Conversions

Conversions Part 2

Format	Color
RYB	33, 208, 103
Decimal	9097249
CIELab	76.45, -45.97, 70.83
CIELCh	76, 84.445, 122.984
Yxy	50.6248, 0.3567, 0.5421
Android (android.graphics.Color)	4287287329 (0xFF8AD021)
YUV	167.1200, -66.1212, -25.5382
Hunter-Lab	71.1511, -40.9441, 41.9272

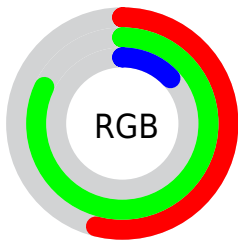
Details

The XYZ color **33.3116, 50.6248, 9.4547** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **17.5251, 8.5270, 60.3996**, and the grayscale version is **37.0981, 39.0301, 42.5038**.

A 20% lighter version of the original color is **60.6363, 84.1003, 24.1034**, and **14.6995, 24.4879, 3.9519** is the 20% darker color. If you saturate the color by 10%, you get **31.7813, 49.8614, 8.3038**, and if you desaturate by 10%, it is **35.1295, 51.5189, 11.5593**.

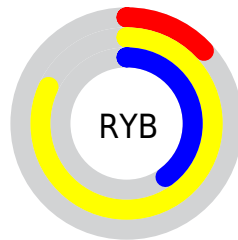
Distribution



Red (54%)

Green (82%)

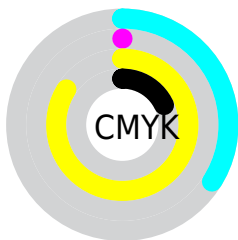
Blue (13%)



Red (13%)

Yellow (82%)

Blue (40%)

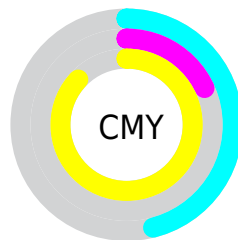


Cyan (34%)

Magenta (0%)

Yellow (84%)

Black (18%)



Cyan (46%)


Magenta (18%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3116, 50.6248, 9.4547 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 33.3116, 50.6248, 9.4547 by changing the saturation by 10% instead.


 33.3116, 50.6248,
9.4547


 33.3116, 50.6248,
9.4547


308.6917,
389.1043, 197.0759


 22.5256, 35.9101,
4.9381


 64.2131, 91.0999,
25.3562

 14.3624, 24.3648,
2.1529


 85.0594, 117.6291,
37.5783


 8.4565, 15.6044,
0.6470


 109.9899,
148.8653, 53.2058

 4.4427, 9.2447,
0.0000

 139.3698,
185.1928, 72.6575

 1.9555, 4.9011,
0.0000

 173.5646,
226.9961, 96.3518

 0.6088, 2.1894,
0.0000

 212.9396,

 0.0000, 0.7142,

274.6595, 124.7073

0.0000

257.8602,
328.5674, 158.1425

■ 0.0000, 0.0000,
0.0000

■ 33.3116, 50.6248,
9.4547

■ 33.3116, 50.6248,
9.4547

■ 31.7813, 49.8614,
8.3038

■ 35.1295, 51.5189,
11.5593

■ 30.9844, 49.4584,
7.9134

■ 37.2626, 52.5498,
14.7661

■ 39.7379, 53.7302,
19.2013

■ 42.5781, 55.0696,
24.9730

■ 45.8037, 56.5763,
32.1777

■ 49.4331, 58.2580,
40.9027

■ 53.4837, 60.1218,
51.2287

■ 57.9716, 62.1744,
63.2303

■ 62.9119, 64.4221,
76.9776

Harmonies

Analogous

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



46.5424, 50.6248, 5.7576



33.3116, 50.6248, 9.4547



25.6868, 50.6248, 24.1358

Triad

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



33.3116, 50.6248, 9.4547



35.5170, 50.6248, 175.7979



85.5859, 50.6248, 50.6859

Complementary

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



33.3116, 50.6248, 9.4547



17.5251, 8.5270, 60.3996

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.



80.8373, 50.6248, 105.2601



33.3116, 50.6248, 9.4547



49.7274, 50.6248, 197.0566

Square

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



33.3116, 50.6248, 9.4547



26.7490, 50.6248, 117.8924



66.7654, 50.6248, 166.1007



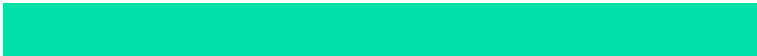
78.6077, 50.6248, 19.8615

Rectangle

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



33.3116, 50.6248, 9.4547



23.6948, 50.6248, 45.0986



66.7654, 50.6248, 166.1007



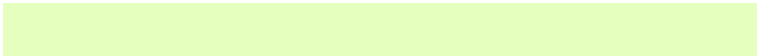
85.3108, 50.6248, 66.5299

Sweetspot

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



33.3128, 50.6270, 9.4558



77.6636, 92.0326, 63.1053



31.1393, 23.2224, 4.2807



16.1752, 19.4915, 12.4160



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.



33.3128, 50.6270, 9.4558



48.8949, 78.2913, 12.5347



24.1723, 45.9149, 9.0280



12.3268, 13.5519, 12.5781



19.4219, 30.8813, 4.9371



1.1742, 1.7722, 0.2802

Inverse Universe

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



17.5251, 8.5270, 60.3996



23.5307, 10.0454, 95.3065



33.2914, 16.6548, 61.1374



11.6049, 11.6451, 14.8797



9.4331, 4.0432, 37.4757



0.6160, 0.2717, 2.0995

Previews

White Background



This preview shows how the XYZ color 33.3116, 50.6248, 9.4547 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 33.3116, 50.6248, 9.4547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

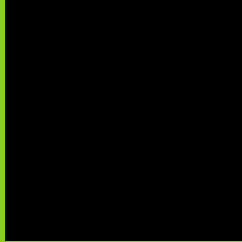
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3116, 50.6248, 9.4547

Background



This preview shows how black text looks on a background with the XYZ color 33.3116, 50.6248, 9.4547.



This preview shows how white text looks on a background with the XYZ color 33.3116, 50.6248,

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

33.3116, 50.6248, 9.4547

Protanopia

45.3324, 50.0426, 8.3068

Deuteranopia

51.1100, 49.9127, 10.0723



Tritanopia

45.0985, 50.5580, 67.7033

Trichromacy



Original Color

33.3116, 50.6248, 9.4547

Protanomaly

39.7445, 49.4332, 8.6092

Deuteranomaly

42.4716, 48.8564, 9.5746

Tritanomaly

38.2968, 49.4705, 34.3184

Monochromacy



Original Color

33.3116, 50.6248, 9.4547

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

33.7083, 41.8318, 23.4373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3116, 50.6248, 9.4547 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(138, 208, 33)` looks like.

```
.text, #text, p{  
    color:rgb(138, 208, 33)  
}
```

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(138, 208, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 208, 33) }
```

Border

The CSS property to change the border of an element to XYZ 33.3116, 50.6248, 9.4547 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(138, 208, 33) }
```


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

```
.border{ border-color:rgb(138, 208, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 208, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 208, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 208, 33);  
box-shadow:4px 4px 4px 4px rgb(138, 208,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3116, 50.6248, 9.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 208, 33) }
```

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

```
.background{ background-color: rgb(138,  
208, 33) }
```

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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