

Converting Colors

XYZ(49.1014, 66.3665, 20.4988)

Have a look what the booklet for
XYZ(49.1014, 66.3665, 20.4988)
contains.

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Color

**XYZ(49.0106, 66.2222,
20.5550)**

Conversions

Conversions Part 1

Format	Color
Hex	B6E45D
RGB	182, 228, 93
RGB Percent	71%, 89%, 36%
CMY	0.2863, 0.1059, 0.6353
CMYK	0.20, 0.00, 0.59, 0.11
HSL	80°, 71%, 63%
HSV	80°, 59%, 89%
XYZ	49.0106, 66.2222, 20.5550
YIQ	198.8560, 15.9190, -51.7370

Conversions

Conversions Part 2

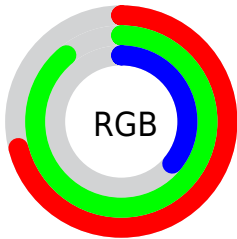
Format	Color
R_{YB}	93, 228, 139
Decimal	11986013
CIE _{Lab}	85.11, -34.87, 59.60
CIE _{LCh}	85, 69.047, 120.332
Yxy	66.2222, 0.3609, 0.4877
Android (android.graphics.Color)	4290176093 (0xFFB6E45D)
YUV	198.8560, -52.1870, -14.7827
Hunter-Lab	81.3770, -34.9053, 41.9879

Details

The XYZ color **49.0106, 66.2222, 20.5550** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **28.5681, 18.9210, 75.5490**, and the grayscale version is **54.5019, 57.3402, 62.4435**.

A 20% lighter version of the original color is **77.0405, 92.1834, 41.7497**, and **23.6751, 34.0680, 6.9970** is the 20% darker color. If you saturate the color by 10%, you get **46.3636, 64.9596, 15.9229**, and if you desaturate by 10%, it is **52.0636, 67.6636, 26.7798**.

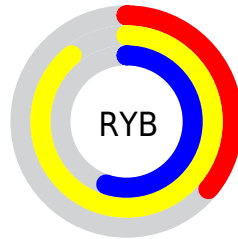
Distribution



Red (71%)

Green (89%)

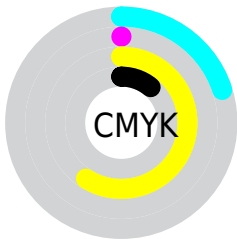
Blue (36%)



Red (36%)

Yellow (89%)

Blue (55%)

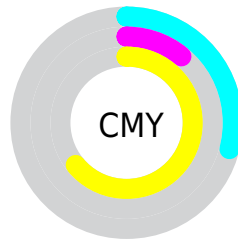


Cyan (20%)

Magenta (0%)

Yellow (59%)

Black (11%)



Cyan (29%)

Magenta (11%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0106, 66.2222, 20.5550 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 49.0106, 66.2222, 20.5550 by changing the saturation by 10% instead.

■ 49.0106, 66.2222,
20.5550

■ 49.0106, 66.2222,
20.5550

373.3003,
447.1711, 267.6069

■ 34.8425, 48.4528,
12.6110

■ 87.9078, 113.8052,
45.2169

■ 23.7075, 34.1856,
7.0337

■ 113.3676,
144.3876, 62.7719

■ 15.2403, 23.0362,
3.4044

■ 143.3220,
180.0097, 84.3677

■ 9.0756, 14.6203,
1.3047

■ 178.1363,
221.0561, 110.4227

■ 4.8481, 8.5533,
0.0656

218.1760,
267.9110, 141.3557

■ 2.1922, 4.4510,
0.0000

263.8063,

■ 0.7386, 1.9289,

320.9589, 177.5850

0.0000

315.3926,
380.5841, 219.5292

■ 0.0000, 0.5657,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0106, 66.2222,
20.5550

■ 49.0106, 66.2222,
20.5550

■ 46.3636, 64.9596,
15.9229

■ 52.0636, 67.6636,
26.7798

■ 44.0886, 63.8550,
12.7337


■ 55.5438, 69.2856,
34.7211


■ 42.1527, 62.8975,
10.8161


■ 59.4760, 71.1005,
44.4952


■ 40.5024, 62.0653,
9.8969


■ 63.8819, 73.1171,
56.2069


 40.3789, 62.0028,
9.8395

 68.7811, 75.3436,
69.9535

 74.1925, 77.7875,
85.8253

 80.1335, 80.4562,
103.9074

 83.1584, 81.9713,
106.0469

 85.9141, 83.3919,
106.1758

Harmonies

Analogous

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



62.7688, 66.2222, 15.8824



49.0106, 66.2222, 20.5550



40.3620, 66.2222, 37.4677

Triad

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



49.0106, 66.2222, 20.5550



49.2655, 66.2222, 175.1119



97.8477, 66.2222, 71.6087

Complementary

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



49.0106, 66.2222, 20.5550



28.5681, 18.9210, 75.5490

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.



92.6795, 66.2222, 123.3694



49.0106, 66.2222, 20.5550



63.1160, 66.2222, 196.1953

Square

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



49.0106, 66.2222, 20.5550



40.4912, 66.2222, 124.6055



79.2915, 66.2222, 174.2151



92.4550, 66.2222, 36.9138

Rectangle

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



49.0106, 66.2222, 20.5550



37.8171, 66.2222, 58.6526



79.2915, 66.2222, 174.2151



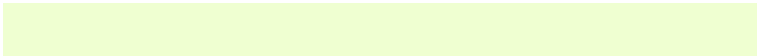
97.2794, 66.2222, 87.4708

Sweetspot

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



49.0122, 66.2251, 20.5564



82.9987, 94.5415, 74.2604



43.0617, 35.4635, 14.9324



17.3910, 20.0651, 14.8738



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.



49.0122, 66.2251, 20.5564



59.0638, 83.3909, 19.4528



36.8576, 59.9592, 19.9876



15.0996, 16.5584, 15.3047



23.4467, 35.8687, 5.6876



1.8311, 2.7013, 0.4249

Inverse Universe

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



28.5681, 18.9210, 75.5490



30.5917, 17.3157, 96.3376



43.2354, 26.4822, 76.2354



14.0435, 14.1247, 18.1305



10.0001, 4.2212, 42.6709



0.8356, 0.3617, 3.1577

Previews

White Background



This preview shows how the XYZ color 49.0106, 66.2222, 20.5550 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 49.0106, 66.2222, 20.5550 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 49.0106, 66.2222, 20.5550

Background



This preview shows how black text looks on a background with the XYZ color 49.0106, 66.2222, 20.5550.



This preview shows how white text looks on a background with the XYZ color 49.0106, 66.2222,

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
49.0106, 66.2222, 20.5550
Protanopia
59.8970, 65.6244, 18.7424
Deuteranopia
66.2976, 65.4525, 28.5414



Tritanopia

62.0236, 66.0048, 85.0725

Trichromacy



Original Color

49.0106, 66.2222, 20.5550

Protanomaly

55.2358, 65.4799, 19.4005

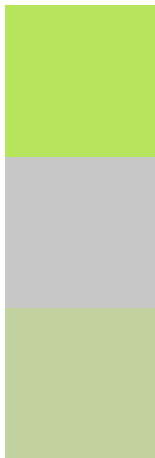
Deuteranomaly

58.5190, 64.7732, 25.0410

Tritanomaly

55.6643, 65.3367, 53.3935

Monochromacy



Original Color

49.0106, 66.2222, 20.5550

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

51.3841, 59.9687, 42.1246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0106, 66.2222, 20.5550 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(182, 228, 93)` looks like.

```
.text, #text, p{  
    color:rgb(182, 228, 93)  
}
```

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(182, 228, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 228, 93) }
```

Border

The CSS property to change the border of an element to XYZ 49.0106, 66.2222, 20.5550 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(182, 228, 93) }
```


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

```
.border{ border-color:rgb(182, 228, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 228, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 228, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 228, 93);  
box-shadow:4px 4px 4px 4px rgb(182, 228,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0106, 66.2222, 20.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 228, 93) }
```

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

```
.background{ background-color: rgb(182,  
228, 93) }
```

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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