

Converting Colors

XYZ(47.5464, 65.1524, 31.7313)

Have a look what the booklet for
XYZ(47.5464, 65.1524, 31.7313)
contains.

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Color

**XYZ(47.6341, 65.2597,
31.9156)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E484
RGB	166, 228, 132
RGB Percent	65%, 89%, 52%
CMY	0.3490, 0.1059, 0.4823
CMYK	0.27, 0.00, 0.42, 0.11
HSL	99°, 64%, 71%
HSV	99°, 42%, 89%
XYZ	47.6341, 65.2597, 31.9156
YIQ	198.5180, -6.1360, -43.0000

Conversions

Conversions Part 2

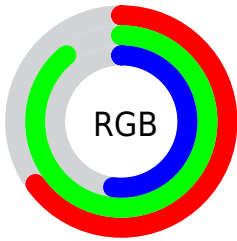
Format	Color
RYB	132, 228, 194
Decimal	10937476
CIELab	84.62, -36.54, 40.62
CIELCh	85, 54.638, 131.969
Yxy	65.2597, 0.3289, 0.4507
Android (android.graphics.Color)	4289127556 (0xFFA6E484)
YUV	198.5180, -32.7934, -28.5183
Hunter-Lab	80.7835, -36.1183, 33.1244

Details

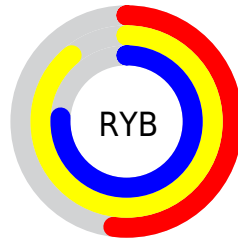
The XYZ color **47.6341, 65.2597, 31.9156** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **44.5059, 33.5753, 77.5373**, and the grayscale version is **54.1896, 57.0117, 62.0857**.

A 20% lighter version of the original color is **75.0544, 90.7531, 60.0157**, and **22.7560, 33.4637, 12.8492** is the 20% darker color. If you saturate the color by 10%, you get **43.3294, 63.2035, 24.4409**, and if you desaturate by 10%, it is **52.6366, 67.6401, 41.2054**.

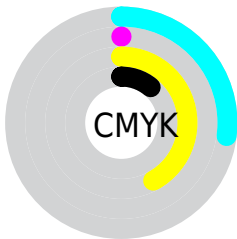
Distribution



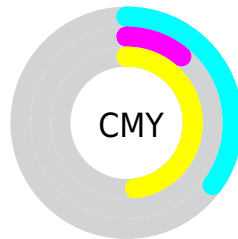
- Red (65%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (35%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6341, 65.2597, 31.9156 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 47.6341, 65.2597, 31.9156 by changing the saturation by 10% instead.

■ 47.6341, 65.2597,
31.9156

■ 47.6341, 65.2597,
31.9156

367.9467,
443.7246, 325.2155

■ 33.7473, 47.6717,
21.0328

■ 85.8724, 112.4231,
63.7751

■ 22.8615, 33.5670,
12.9565

■ 110.9545,
142.7674, 85.5889

■ 14.6114, 22.5611,
7.2682

■ 140.4991,
178.1325, 111.8834

■ 8.6316, 14.2698,
3.5494

174.8715,
218.9028, 143.0771

■ 4.5569, 8.3085,
1.3816

214.4372,
265.4628, 179.5886

■ 2.0218, 4.2930,
0.1273

259.5613,

■ 0.6461, 1.8388,

318.1968, 221.8365

0.0000

310.6094,
377.4893, 270.2393

0.0000, 0.5112,
0.0000

0.0000, 0.0000,
0.0000

47.6341, 65.2597,
31.9156

47.6341, 65.2597,
31.9156

43.3294, 63.2035,
24.4409

52.6366, 67.6401,
41.2054

39.6833, 61.4481,
18.6583


58.3636, 70.3504,
52.4140

36.6597, 59.9797,
14.4363


64.8466, 73.4064,
65.6426


34.2165, 58.7799,
11.6219

72.1132, 76.8205,
80.9838

 32.3046, 57.8276,
10.0315

 80.1900, 80.6043,
98.5246

 31.1162, 57.2275,
9.4060

 86.7985, 83.8477,
106.2172

 87.0347, 83.9695,
106.2282

Harmonies

Analogous

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



57.2916, 65.2597, 23.5355



47.6341, 65.2597, 31.9156



42.2996, 65.2597, 52.2354

Triad

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



47.6341, 65.2597, 31.9156



55.0504, 65.2597, 155.9264



87.9031, 65.2597, 58.0229

Complementary

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



47.6341, 65.2597, 31.9156



44.5059, 33.5753, 77.5373

Split Complementary

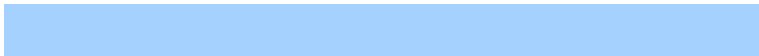
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0960, 65.2597, 93.9299



47.6341, 65.2597, 31.9156



67.0172, 65.2597, 159.0501

Square

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



47.6341, 65.2597, 31.9156



46.1791, 65.2597, 126.0744



79.0622, 65.2597, 133.5764



81.1409, 65.2597, 34.9515

Rectangle

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



47.6341, 65.2597, 31.9156



41.4244, 65.2597, 73.3887



79.0622, 65.2597, 133.5764



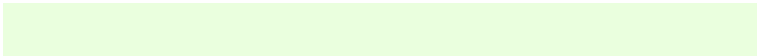
88.5301, 65.2597, 68.7747

Sweetspot

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



47.6357, 65.2625, 31.9170



82.7218, 94.2089, 82.8261



55.1882, 56.2141, 29.7725



17.2949, 19.9711, 16.8808



0.0000, 0.0000, 0.0000



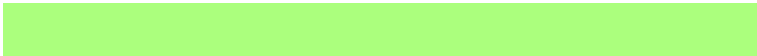
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6357, 65.2625, 31.9170



56.2542, 81.6579, 32.1819



42.3565, 62.4335, 36.5269



14.6685, 16.3362, 15.2845



18.0836, 33.1039, 5.4366



1.4344, 2.4968, 0.4063

Inverse Universe

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



44.5059, 33.5753, 77.5373



51.6562, 35.4219, 98.7223



52.5401, 37.9149, 68.9770



14.4739, 14.3465, 18.1506



15.1943, 6.8988, 42.9140



1.2228, 0.5613, 3.1759

Previews

White Background



This preview shows how the XYZ color 47.6341, 65.2597, 31.9156 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 47.6341, 65.2597, 31.9156 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 47.6341, 65.2597, 31.9156

Background



This preview shows how black text looks on a background with the XYZ color 47.6341, 65.2597, 31.9156.



This preview shows how white text looks on a background with the XYZ color 47.6341, 65.2597,

31.9156.

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

47.6341, 65.2597, 31.9156

Protanopia

59.3814, 64.3968, 28.7021

Deuteranopia

65.9821, 64.4909, 33.0151



Tritanopia

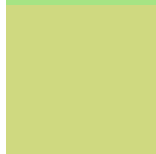
58.5553, 64.9400, 86.5393

Trichromacy



Original Color

47.6341, 65.2597, 31.9156



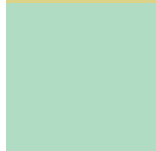
Protanomaly

54.4413, 64.4496, 29.9927



Deuteranomaly

57.5570, 63.7383, 32.5617



Tritanomaly

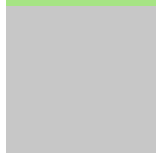
53.4615, 64.4020, 61.8377

Monochromacy



Original Color

47.6341, 65.2597, 31.9156



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.2780, 59.7531, 49.3883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6341, 65.2597, 31.9156 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(166, 228, 132)` looks like.

```
.text, #text, p{  
    color:rgb(166, 228, 132)  
}
```

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(166, 228, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 228, 132) }
```

Border

The CSS property to change the border of an element to XYZ 47.6341, 65.2597, 31.9156 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(166, 228, 132) }
```


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

```
.border{ border-color:rgb(166, 228, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 228, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 228, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 228, 132);  
box-shadow:4px 4px 4px 4px rgb(166, 228,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6341, 65.2597, 31.9156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 228, 132) }
```

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

```
.background{ background-color: rgb(166,  
228, 132) }
```

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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