

Converting Colors

XYZ(47.8831, 66.2873, 30.3179)

Have a look what the booklet for
XYZ(47.8831, 66.2873, 30.3179)
contains.

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Color

**XYZ(47.8535, 66.2329,
30.3408)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E67F
RGB	166, 230, 127
RGB Percent	65%, 90%, 50%
CMY	0.3490, 0.0980, 0.5019
CMYK	0.28, 0.00, 0.45, 0.10
HSL	97°, 67%, 70%
HSV	97°, 45%, 90%
XYZ	47.8535, 66.2329, 30.3408
YIQ	199.1220, -5.0810, -45.6010

Conversions

Conversions Part 2

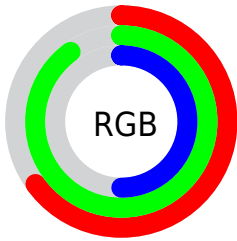
Format	Color
RYB	127, 230, 191
Decimal	10937983
CIELab	85.12, -38.07, 43.70
CIELCh	85, 57.962, 131.062
Yxy	66.2329, 0.3313, 0.4586
Android (android.graphics.Color)	4289128063 (0xFFA6E67F)
YUV	199.1220, -35.5561, -29.0480
Hunter-Lab	81.3836, -37.4634, 34.8645

Details

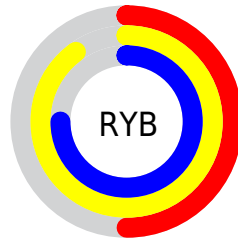
The XYZ color **47.8535, 66.2329, 30.3408** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **43.3610, 31.9703, 78.7520**, and the grayscale version is **54.5754, 57.4175, 62.5277**.

A 20% lighter version of the original color is **74.5319, 90.5442, 57.2646**, and **22.9616, 34.1596, 12.0399** is the 20% darker color. If you saturate the color by 10%, you get **43.6914, 64.2431, 23.1948**, and if you desaturate by 10%, it is **52.6941, 68.5369, 39.3073**.

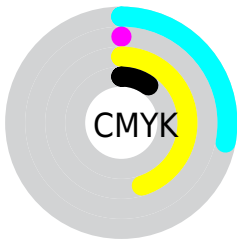
Distribution



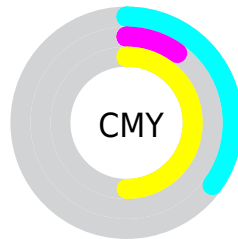
- Red (65%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (75%)



- Cyan (28%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (35%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8535, 66.2329, 30.3408 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 47.8535, 66.2329, 30.3408 by changing the saturation by 10% instead.

■ 47.8535, 66.2329,
30.3408

■ 47.8535, 66.2329,
30.3408

368.8034,
447.2094, 317.7464

■ 33.9217, 48.4615,
19.8432

■ 86.1973, 113.8205,
61.2681

■ 22.9960, 34.1925,
12.0981

■ 111.3399,
144.4056, 82.5348

■ 14.7112, 23.0415,
6.6872

■ 140.9501,
180.0306, 108.2283

■ 8.7020, 14.6242,
3.1918

175.3934,
221.0800, 138.7671

■ 4.6029, 8.5560,
1.1934

215.0350,
267.9382, 174.5698

■ 2.0485, 4.4528,
0.0000

260.2403,

■ 0.6610, 1.9299,

320.9895, 216.0549

0.0000

311.3746,
380.6185, 263.6409

0.0000, 0.5663,
0.0000

0.0000, 0.0000,
0.0000

47.8535, 66.2329,
30.3408

47.8535, 66.2329,
30.3408

43.6914, 64.2431,
23.1948

52.6941, 68.5369,
39.3073

40.1683, 62.5440,
17.7401


58.2400, 71.1605,
50.2029


37.2480, 61.1219,
13.8377


64.5223, 74.1195,
63.1330


34.8875, 59.9582,
11.3245


71.5687, 77.4260,
78.1939

 33.0361, 59.0312,
10.0008

 79.4055, 81.0916,
95.4758

 32.2363, 58.6265,
9.6170

 86.4040, 84.4659,
106.3573

 87.5882, 85.0763,
106.4127

Harmonies

Analogous

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



58.2552, 66.2329, 22.0516



47.8535, 66.2329, 30.3408



42.0589, 66.2329, 51.2001

Triad

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



47.8535, 66.2329, 30.3408



55.1479, 66.2329, 163.7924



90.9590, 66.2329, 59.1766

Complementary

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



47.8535, 66.2329, 30.3408



43.3610, 31.9703, 78.7520

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.



89.8226, 66.2329, 98.0705



47.8535, 66.2329, 30.3408



67.8955, 66.2329, 168.2504

Square

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



47.8535, 66.2329, 30.3408



45.8504, 66.2329, 130.4361



80.9338, 66.2329, 141.0840



83.8523, 66.2329, 34.4347

Rectangle

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



47.8535, 66.2329, 30.3408



41.0317, 66.2329, 73.4579



80.9338, 66.2329, 141.0840



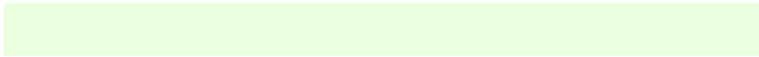
91.5512, 66.2329, 70.7913

Sweetspot

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



47.8551, 66.2358, 30.3422



82.9882, 94.3463, 82.8386



54.9921, 55.4091, 27.8763



17.3603, 20.0048, 16.8838



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.



47.8551, 66.2358, 30.3422



55.4442, 81.2946, 29.6915



41.7127, 62.9732, 34.3903



14.7024, 16.3537, 15.2861



18.3749, 33.2541, 5.4502



1.4585, 2.5092, 0.4075

Inverse Universe

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



43.3610, 31.9703, 78.7520



49.0382, 32.6902, 98.3330



52.8778, 37.0646, 70.6886



14.4388, 14.3284, 18.1490



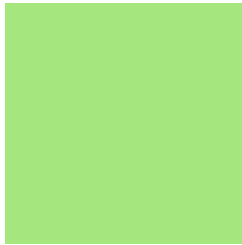
14.6314, 6.6087, 42.8876



1.1836, 0.5412, 3.1740

Previews

White Background



This preview shows how the XYZ color 47.8535, 66.2329, 30.3408 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 47.8535, 66.2329, 30.3408 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 47.8535, 66.2329, 30.3408

Background



This preview shows how black text looks on a background with the XYZ color 47.8535, 66.2329, 30.3408.

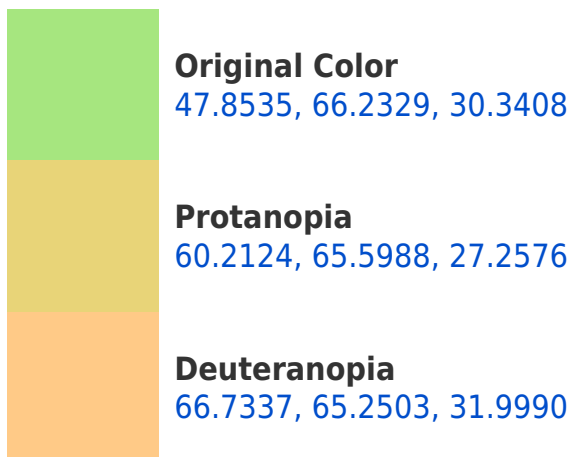


This preview shows how white text looks on a background with the XYZ color 47.8535, 66.2329,

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





Tritanopia

59.5952, 66.2082, 88.2357

Trichromacy



Original Color

47.8535, 66.2329, 30.3408

Protanomaly

54.9191, 65.5030, 28.4877

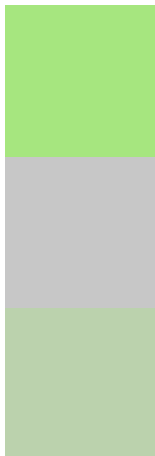
Deuteranomaly

58.1398, 64.4409, 31.2038

Tritanomaly

54.2165, 65.5752, 62.0243

Monochromacy



Original Color

47.8535, 66.2329, 30.3408

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

51.0829, 59.6751, 48.3613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8535, 66.2329, 30.3408 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, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(166, 230, 127)  
}
```

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, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 230, 127) }
```

Border

The CSS property to change the border of an element to XYZ 47.8535, 66.2329, 30.3408 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, 230, 127) }
```


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

```
.border{ border-color:rgb(166, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(166, 230,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8535, 66.2329, 30.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 230, 127) }
```

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

```
.background{ background-color: rgb(166,  
230, 127) }
```

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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