

Converting Colors

XYZ(46.5317, 64.3671, 27.1155)

Have a look what the booklet for
XYZ(46.5317, 64.3671, 27.1155)
contains.

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Color

**XYZ(46.4650, 64.3532,
27.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E376
RGB	166, 227, 118
RGB Percent	65%, 89%, 46%
CMY	0.3490, 0.1098, 0.5372
CMYK	0.27, 0.00, 0.48, 0.11
HSL	94°, 66%, 68%
HSV	94°, 48%, 89%
XYZ	46.4650, 64.3532, 27.1120
YIQ	196.3350, -1.3670, -46.8310

Conversions

Conversions Part 2

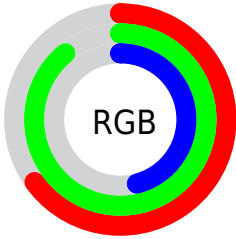
Format	Color
RYB	118, 227, 179
Decimal	10937206
CIELab	84.15, -37.80, 46.85
CIELCh	84, 60.193, 128.897
Yxy	64.3532, 0.3369, 0.4666
Android (android.graphics.Color)	4289127286 (0xFFA6E376)
YUV	196.3350, -38.6192, -26.6038
Hunter-Lab	80.2204, -36.9956, 36.1161

Details

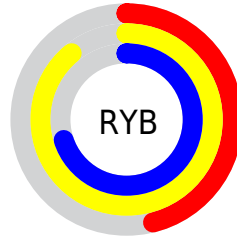
The XYZ color **46.4650, 64.3532, 27.1120** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.9368, 28.0886, 76.0461**, and the grayscale version is **52.8974, 55.6522, 60.6052**.

A 20% lighter version of the original color is **73.6378, 90.1865, 52.5563**, and **22.1018, 32.8987, 10.3394** is the 20% darker color. If you saturate the color by 10%, you get **42.7425, 62.5737, 20.7239**, and if you desaturate by 10%, it is **50.7784, 66.4038, 35.2247**.

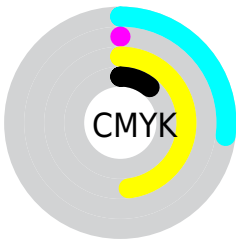
Distribution



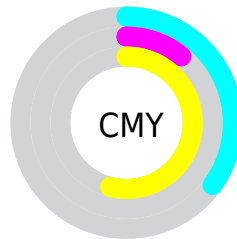
- Red (65%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (70%)



- Cyan (27%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (35%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4650, 64.3532, 27.1120 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 46.4650, 64.3532, 27.1120 by changing the saturation by 10% instead.

■ 46.4650, 64.3532,
27.1120

■ 46.4650, 64.3532,
27.1120

363.3596,
440.4640, 301.9763

■ 32.8191, 46.9368,
17.4242

■ 84.1381, 111.1194,
56.0695

■ 22.1465, 32.9857,
10.3722

■ 108.8960,
141.2381, 76.1762

■ 14.0818, 22.1155,
5.5376

■ 138.0886,
176.3596, 100.5929

■ 8.2596, 13.9418,
2.5018

172.0813,
216.8684, 129.7383

■ 4.3147, 8.0802,
0.8411

211.2393,
263.1488, 164.0307

■ 1.8817, 4.1463,
0.0000

255.9282,

■ 0.5662, 1.7557,

315.5853, 203.8889

0.0000

306.5132,
374.5622, 249.7312

■ 0.0000, 0.4594,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4650, 64.3532,
27.1120

■ 46.4650, 64.3532,
27.1120

■ 42.7425, 62.5737,
20.7239

■ 50.7784, 66.4038,
35.2247

■ 39.5749, 61.0436,
15.9312


■ 55.7066, 68.7293,
45.1705


■ 36.9290, 59.7507,
12.5932


■ 61.2777, 71.3441,
57.0538


■ 34.7647, 58.6781,
10.5429


■ 67.5165, 74.2587,
70.9700


 33.0288, 57.8035,
9.5456

 74.4463, 77.4834,
87.0083

 32.7213, 57.6478,
9.4026

 82.0893, 81.0276,
105.2524

 86.7359, 83.4083,
106.1357

 86.7605, 83.4209,
106.1368

Harmonies

Analogous

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



57.2934, 64.3532, 19.7440



46.4650, 64.3532, 27.1120



40.2656, 64.3532, 46.8586

Triad

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



46.4650, 64.3532, 27.1120



52.4080, 64.3532, 163.0777



90.0872, 64.3532, 59.3369

Complementary

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



46.4650, 64.3532, 27.1120



38.9368, 28.0886, 76.0461

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.



88.2766, 64.3532, 99.9040



46.4650, 64.3532, 27.1120



65.2088, 64.3532, 170.2635

Square

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



46.4650, 64.3532, 27.1120



43.3350, 64.3532, 126.8896



78.6800, 64.3532, 143.9736



83.3188, 64.3532, 33.3936

Rectangle

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



46.4650, 64.3532, 27.1120



38.9844, 64.3532, 68.6681



78.6800, 64.3532, 143.9736



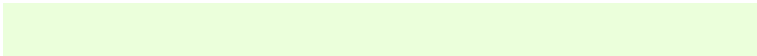
90.4802, 64.3532, 71.4902

Sweetspot

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



46.4666, 64.3560, 27.1134



82.8532, 94.3158, 81.0630



50.8616, 49.4623, 24.0070



17.3654, 20.0151, 16.5361



0.0000, 0.0000, 0.0000



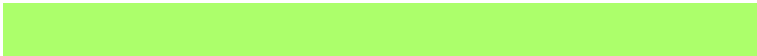
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4666, 64.3560, 27.1134



55.4818, 81.3798, 26.7212



38.5457, 60.2341, 28.4827



14.7886, 16.3981, 15.2902



19.2113, 33.6853, 5.4894



1.5249, 2.5435, 0.4106

Inverse Universe

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



38.9368, 28.0886, 76.0461



44.5221, 28.6873, 97.7984



51.2841, 34.5394, 72.7587



14.3506, 14.2830, 18.1449



13.3307, 5.9381, 42.8267



1.0914, 0.4936, 3.1697

Previews

White Background



This preview shows how the XYZ color 46.4650, 64.3532, 27.1120 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 46.4650, 64.3532, 27.1120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

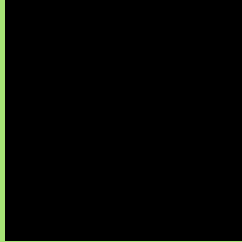
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4650, 64.3532, 27.1120

Background



This preview shows how black text looks on a background with the XYZ color 46.4650, 64.3532, 27.1120.

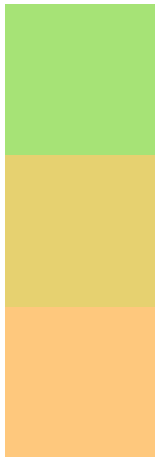


This preview shows how white text looks on a background with the XYZ color 46.4650, 64.3532,

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

46.4650, 64.3532, 27.1120

Protanopia

58.3582, 63.5938, 24.5283

Deuteranopia

65.2290, 63.8601, 28.2903



Tritanopia

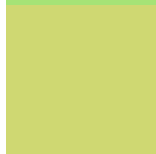
57.9988, 63.9299, 84.8842

Trichromacy



Original Color

46.4650, 64.3532, 27.1120



Protanomaly

53.3253, 63.5920, 25.3835



Deuteranomaly

56.6836, 63.0279, 27.5904



Tritanomaly

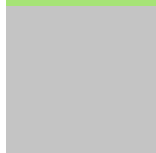
52.7572, 63.7279, 58.2353

Monochromacy



Original Color

46.4650, 64.3532, 27.1120



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.3883, 57.7671, 45.5929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4650, 64.3532, 27.1120 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, 227, 118)` looks like.

```
.text, #text, p{  
    color:rgb(166, 227, 118)  
}
```

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, 227, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 227, 118) }
```

Border

The CSS property to change the border of an element to XYZ 46.4650, 64.3532, 27.1120 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, 227, 118) }
```


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

```
.border{ border-color:rgb(166, 227, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 227, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 227, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 227, 118);  
box-shadow:4px 4px 4px 4px rgb(166, 227,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4650, 64.3532, 27.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 227, 118) }
```

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

```
.background{ background-color: rgb(166,  
227, 118) }
```

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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