

Converting Colors

XYZ(46.3659, 63.9297, 35.5988)

Have a look what the booklet for
XYZ(46.3659, 63.9297, 35.5988)
contains.

XYZ(46.4521, 64.1603, 35.5271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4521, 64.1603,
35.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE38E
RGB	158, 227, 142
RGB Percent	62%, 89%, 56%
CMY	0.3804, 0.1098, 0.4431
CMYK	0.30, 0.00, 0.37, 0.11
HSL	109°, 60%, 72%
HSV	109°, 37%, 89%
XYZ	46.4521, 64.1603, 35.5271
YIQ	196.6790, -13.8390, -41.0630

Conversions

Conversions Part 2

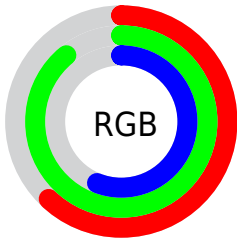
Format	Color
RYB	142, 227, 211
Decimal	10412942
CIELab	84.05, -37.40, 34.81
CIELCh	84, 51.094, 137.055
Yxy	64.1603, 0.3179, 0.4390
Android (android.graphics.Color)	4288603022 (0xFF9EE38E)
YUV	196.6790, -26.9567, -33.9215
Hunter-Lab	80.1001, -36.6585, 29.7730

Details

The XYZ color **46.4521, 64.1603, 35.5271** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **50.4051, 38.7430, 77.4981**, and the grayscale version is **53.0421, 55.8044, 60.7710**.

A 20% lighter version of the original color is **73.4554, 89.8017, 65.6865**, and **22.1602, 32.8242, 15.0653** is the 20% darker color. If you saturate the color by 10%, you get **41.5616, 61.8184, 27.2896**, and if you desaturate by 10%, it is **52.2365, 66.9268, 45.6207**.

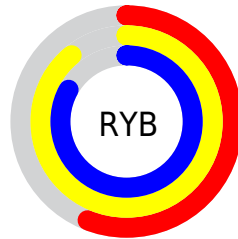
Distribution



Red (62%)

Green (89%)

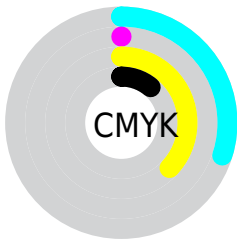
Blue (56%)



Red (56%)

Yellow (89%)

Blue (83%)

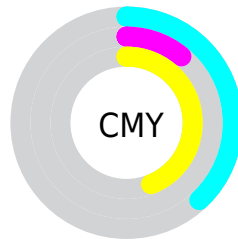


Cyan (30%)

Magenta (0%)

Yellow (37%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4521, 64.1603, 35.5271 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 46.4521, 64.1603, 35.5271 by changing the saturation by 10% instead.


 46.4521, 64.1603,
35.5271

 46.4521, 64.1603,
35.5271


363.3088,
439.7683, 341.8635

 32.8089, 46.7805,
23.7824


 84.1189, 110.8418,
69.4623

 22.1386, 32.8622,
14.9616


 108.8732,
140.9122, 92.4899

 14.0759, 22.0209,
8.6461


138.0619,
175.9817, 120.1156

 8.2556, 13.8722,
4.4174

172.0504,
216.4346, 152.7578

 4.3121, 8.0319,
1.8570

211.2039,
262.6553, 190.8352

 1.8802, 4.1153,
0.4652

255.8880,

 0.5653, 1.7383,

315.0283, 234.7663

0.0000

306.4678,
373.9378, 284.9695

■ 0.0000, 0.4483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4521, 64.1603,
35.5271

■ 46.4521, 64.1603,
35.5271

■ 41.5616, 61.8184,
27.2896

■ 52.2365, 66.9268,
45.6207

■ 37.5149, 59.8718,
20.7913

■ 58.9520, 70.1290,
57.6697

■ 34.2641, 58.3007,
15.9084

■ 66.6395, 73.7879,
71.7709

■ 31.7544, 57.0797,
12.4991

■ 75.3361, 77.9206,
88.0140

■ 29.9234, 56.1805,
10.3970

■ 84.9953, 82.5109,
106.0542

■ 28.6945, 55.5682,
9.3799

■ 86.7604, 83.4208,
106.1368

■ 28.4551, 55.4485,
9.2029

Harmonies

Analogous

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



54.8437, 64.1603, 25.7316



46.4521, 64.1603, 35.5271



42.2031, 64.1603, 56.8554

Triad

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



46.4521, 64.1603, 35.5271



56.2544, 64.1603, 149.5043



84.1407, 64.1603, 53.1892

Complementary

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



46.4521, 64.1603, 35.5271



50.4051, 38.7430, 77.4981

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.



84.6403, 64.1603, 84.7095



46.4521, 64.1603, 35.5271



67.5630, 64.1603, 147.5992

Square

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



46.4521, 64.1603, 35.5271



47.3748, 64.1603, 125.8651



78.2649, 64.1603, 121.2619



76.9742, 64.1603, 33.5592

Rectangle

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



46.4521, 64.1603, 35.5271



41.9012, 64.1603, 77.7645



78.2649, 64.1603, 121.2619



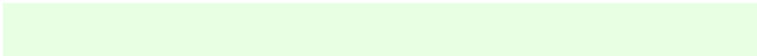
85.1225, 64.1603, 62.5095

Sweetspot

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



46.4537, 64.1630, 35.5285



82.9714, 94.2575, 86.4573



59.6104, 64.3801, 34.8770



17.4644, 20.0347, 17.9639



0.0000, 0.0000, 0.0000



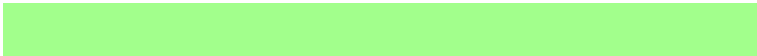
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4537, 64.1630, 35.5285



55.3812, 81.0862, 37.6400



45.6478, 63.5005, 46.6545



14.4412, 16.2190, 15.2739



16.6665, 32.3734, 5.3703



1.3040, 2.4296, 0.4002

Inverse Universe

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



50.4051, 38.7430, 77.4981



61.2008, 43.4409, 99.7670



51.9555, 39.9192, 60.5366



14.7152, 14.4709, 18.1619



19.7466, 9.2456, 43.1270



1.5281, 0.7187, 3.1902

Previews

White Background



This preview shows how the XYZ color 46.4521, 64.1603, 35.5271 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 46.4521, 64.1603, 35.5271 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 46.4521, 64.1603, 35.5271

Background



This preview shows how black text looks on a background with the XYZ color 46.4521, 64.1603, 35.5271.



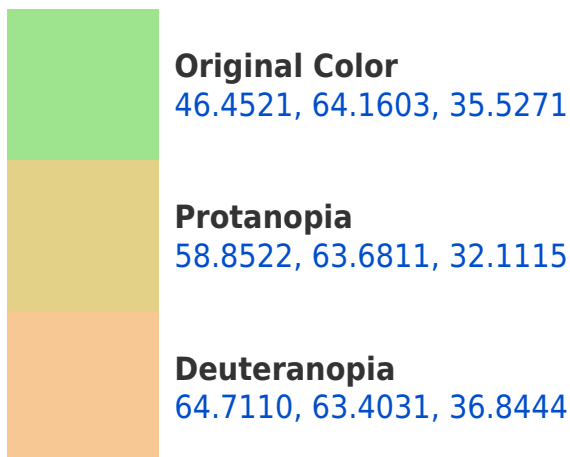
This preview shows how white text looks on a background with the XYZ color 46.4521, 64.1603,

35.5271.

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

56.7194, 63.9936, 86.4534

Trichromacy



Original Color

46.4521, 64.1603, 35.5271



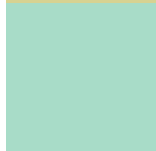
Protanomaly

53.5004, 63.5033, 33.4823



Deuteranomaly

56.2592, 62.6156, 36.3150



Tritanomaly

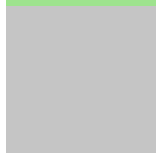
52.1670, 63.6814, 64.1858

Monochromacy



Original Color

46.4521, 64.1603, 35.5271



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.0201, 58.3534, 50.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4521, 64.1603, 35.5271 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(158, 227, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 227, 142)  
}
```

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(158, 227, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 227, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.4521, 64.1603, 35.5271 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(158, 227, 142) }
```


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

```
.border{ border-color:rgb(158, 227, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 227, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 227, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 227, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 227,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4521, 64.1603, 35.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 227, 142) }
```

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

```
.background{ background-color: rgb(158,  
227, 142) }
```

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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