

Converting Colors

XYZ(46.0945, 66.0613, 34.7478)

Have a look what the booklet for
XYZ(46.0945, 66.0613, 34.7478)
contains.

XYZ(46.0945, 66.0613, 34.7478)	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(46.0945, 66.0613,
34.7478)**

Conversions

Conversions Part 1

Format	Color
Hex	96E88B
RGB	150, 232, 139
RGB Percent	59%, 91%, 55%
CMY	0.4118, 0.0902, 0.4549
CMYK	0.35, 0.00, 0.40, 0.09
HSL	113°, 67%, 73%
HSV	113°, 40%, 91%
XYZ	46.0945, 66.0613, 34.7478
YIQ	196.8800, -19.0190, -46.3070

Conversions

Conversions Part 2

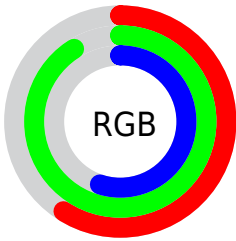
Format	Color
RYB	139, 232, 221
Decimal	9889931
CIELab	85.03, -42.63, 37.51
CIELCh	85, 56.786, 138.656
Yxy	66.0613, 0.3138, 0.4497
Android (android.graphics.Color)	4288080011 (0xFF96E88B)
YUV	196.8800, -28.5348, -41.1138
Hunter-Lab	81.2781, -41.0056, 31.5472

Details

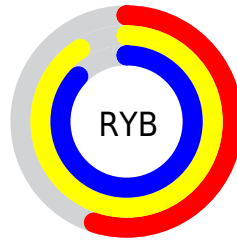
The XYZ color **46.0945, 66.0613, 34.7478** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.6199, 39.6656, 81.1775**, and the grayscale version is **53.1749, 55.9442, 60.9232**.

A 20% lighter version of the original color is **71.1178, 88.6357, 63.8122**, and **21.9649, 34.1717, 14.4549** is the 20% darker color. If you saturate the color by 10%, you get **41.1349, 63.6820, 26.5866**, and if you desaturate by 10%, it is **52.0743, 68.9288, 44.8372**.

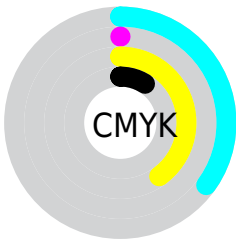
Distribution



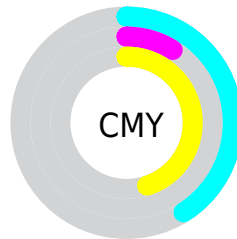
- Red (59%)
- Green (91%)
- Blue (55%)



- Red (55%)
- Yellow (91%)
- Blue (87%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0945, 66.0613, 34.7478 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 46.0945, 66.0613, 34.7478 by changing the saturation by 10% instead.


 46.0945, 66.0613,
34.7478


 46.0945, 66.0613,
34.7478


361.8980,
446.5961, 338.3241


 32.5253, 48.3222,
23.1867


 83.5874, 113.5743,
68.2420

 21.9206, 34.0821,
14.5248


 108.2419,
144.1170, 91.0122

 13.9148, 22.9567,
8.3437


 137.3221,
179.6963, 118.3558

 8.1427, 14.5615,
4.2247

171.1936,
220.6966, 150.6914

 4.2390, 8.5122,
1.7494

210.2215,
267.5024, 188.4374

 1.8382, 4.4244,
0.3943

254.7713,

 0.5405, 1.9137,

320.4979, 232.0125

0.0000

305.2084,
380.0677, 281.8353

0.0000, 0.5566,
0.0000

0.0000, 0.0000,
0.0000

46.0945, 66.0613,
34.7478

46.0945, 66.0613,
34.7478

41.1349, 63.6820,
26.5866

52.0743, 68.9288,
44.8372

37.1335, 61.7558,
20.2266


59.1219, 72.3010,
56.9621


34.0290, 60.2561,
15.5328


67.2881, 76.2035,
71.2272


31.7511, 59.1499,
12.3492

76.6186, 80.6580,
87.7288

 30.2182, 58.3992,
10.4901

 87.1561, 85.6845,
106.5529

 29.3215, 57.9548,
9.6410

 88.1479, 86.1958,
106.5993

Harmonies

Analogous

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



55.2551, 66.0613, 23.7449



46.0945, 66.0613, 34.7478



41.6535, 66.0613, 58.9600

Triad

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



46.0945, 66.0613, 34.7478



58.0804, 66.0613, 165.2995



89.0562, 66.0613, 51.6915

Complementary

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



46.0945, 66.0613, 34.7478



53.6199, 39.6656, 81.1775

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.



90.0835, 66.0613, 86.6738



46.0945, 66.0613, 34.7478



70.9790, 66.0613, 161.2890

Square

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



46.0945, 66.0613, 34.7478



47.9206, 66.0613, 138.7249



83.0949, 66.0613, 129.1268



80.4536, 66.0613, 30.9869

Rectangle

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



46.0945, 66.0613, 34.7478



41.5014, 66.0613, 83.0446



83.0949, 66.0613, 129.1268



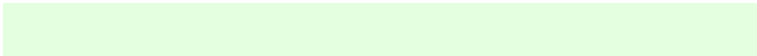
90.3384, 66.0613, 61.8533

Sweetspot

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



46.0962, 66.0641, 34.7493



81.2697, 93.4206, 84.5544



63.4301, 69.9997, 34.5953



17.1013, 19.8555, 17.5833



0.0000, 0.0000, 0.0000



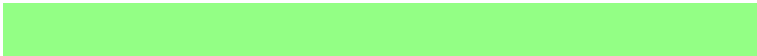
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0962, 66.0641, 34.7493



52.0121, 79.4124, 34.6325



47.0587, 66.2262, 49.8903



14.3468, 16.1704, 15.2695



16.3316, 32.2008, 5.3546



1.2593, 2.4066, 0.3981

Inverse Universe

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



53.6199, 39.6656, 81.1775



62.4966, 42.5031, 99.5177



52.6952, 39.6954, 58.2526



14.8185, 14.5242, 18.1668



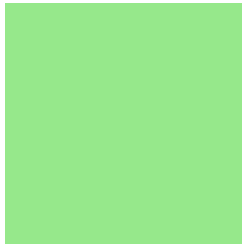
22.0672, 10.4420, 43.2356



1.6784, 0.7962, 3.1972

Previews

White Background



This preview shows how the XYZ color 46.0945, 66.0613, 34.7478 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 46.0945, 66.0613, 34.7478 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 46.0945, 66.0613, 34.7478

Background



This preview shows how black text looks on a background with the XYZ color 46.0945, 66.0613, 34.7478.



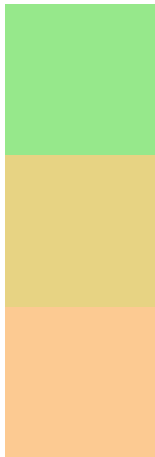
This preview shows how white text looks on a background with the XYZ color 46.0945, 66.0613,

34.7478.

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

46.0945, 66.0613, 34.7478

Protanopia

60.3460, 65.2161, 30.8801

Deuteranopia

66.4537, 65.0118, 36.2402



Tritanopia

57.1743, 65.6843, 90.5538

Trichromacy



Original Color

46.0945, 66.0613, 34.7478



Protanomaly

53.9917, 64.9408, 32.2434



Deuteranomaly

56.7765, 64.0187, 35.3510



Tritanomaly

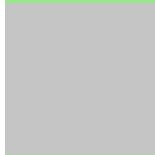
52.0143, 65.1526, 65.7114

Monochromacy



Original Color

46.0945, 66.0613, 34.7478



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.7055, 58.9311, 49.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0945, 66.0613, 34.7478 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(150, 232, 139)` looks like.

```
.text, #text, p{  
    color:rgb(150, 232, 139)  
}
```

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(150, 232, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 232, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.0945, 66.0613, 34.7478 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(150, 232, 139) }
```


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

```
.border{ border-color:rgb(150, 232, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 232, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 232, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 232, 139);  
box-shadow:4px 4px 4px 4px rgb(150, 232,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0945, 66.0613, 34.7478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 232, 139) }
```

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

```
.background{ background-color: rgb(150,  
232, 139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor