

Converting Colors

XYZ(48.2294, 67.9563, 17.9721)

Have a look what the booklet for
XYZ(48.2294, 67.9563, 17.9721)
contains.

XYZ(48.2294, 67.9563, 17.9721)	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(48.2294, 67.9563,
17.9721)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE94F
RGB	175, 233, 79
RGB Percent	69%, 91%, 31%
CMY	0.3137, 0.0863, 0.6902
CMYK	0.25, 0.00, 0.66, 0.09
HSL	83°, 78%, 61%
HSV	83°, 66%, 91%
XYZ	48.2294, 67.9563, 17.9721
YIQ	198.1020, 14.8660, -60.1900

Conversions

Conversions Part 2

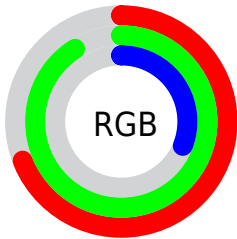
Format	Color
RYB	79, 233, 137
Decimal	11528527
CIELab	85.98, -40.78, 66.13
CIELCh	86, 77.691, 121.664
Yxy	67.9563, 0.3595, 0.5065
Android (android.graphics.Color)	4289718607 (0xFFAFE94F)
YUV	198.1020, -58.7173, -20.2605
Hunter-Lab	82.4356, -39.8299, 44.7789

Details

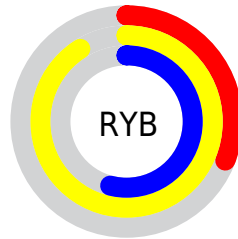
The XYZ color **48.2294, 67.9563, 17.9721** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.8234, 16.7955, 78.8701**, and the grayscale version is **54.0799, 56.8963, 61.9600**.

A 20% lighter version of the original color is **74.0649, 90.7617, 36.5368**, and **23.2317, 35.3112, 5.7923** is the 20% darker color. If you saturate the color by 10%, you get **45.6197, 66.6946, 14.1726**, and if you desaturate by 10%, it is **51.2674, 69.4089, 23.3452**.

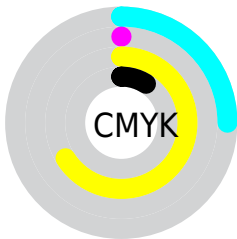
Distribution



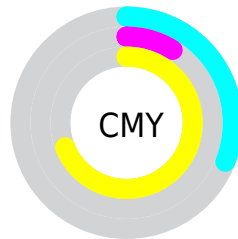
- Red (69%)
- Green (91%)
- Blue (31%)



- Red (31%)
- Yellow (91%)
- Blue (54%)



- Cyan (25%)
- Magenta (0%)
- Yellow (66%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2294, 67.9563, 17.9721 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 48.2294, 67.9563, 17.9721 by changing the saturation by 10% instead.


 48.2294, 67.9563,
17.9721


 48.2294, 67.9563,
17.9721


370.2682,
453.3412, 252.9446


 34.2206, 49.8622,
10.7607


 86.7535, 116.2896,
40.8031


 23.2268, 35.3039,
5.7940


 111.9995,
147.2976, 57.2598


 14.8827, 23.8971,
2.6535


 141.7219,
183.3790, 77.6353

 8.8229, 15.2573,
0.9199

 176.2862,
224.9183, 102.3482

 4.6820, 9.0002,
0.0000

 216.0575,
272.2997, 131.8170

 2.0947, 4.7413,
0.0000

261.4014,

 0.6864, 2.0963,

325.9077, 166.4604

0.0000

312.6832,
386.1268, 206.6967

0.0000, 0.6625,
0.0000

0.0000, 0.0000,
0.0000

48.2294, 67.9563,
17.9721

48.2294, 67.9563,
17.9721

45.6197, 66.6946,
14.1726

51.2674, 69.4089,
23.3452

43.3986, 65.6004,
11.7703


54.7593, 71.0557,
30.4347


41.5247, 64.6594,
10.5533


58.7337, 72.9109,
39.3724


40.8601, 64.3225,
10.2619


63.2150, 74.9844,
50.2759

 68.2260, 77.2856,
63.2531

 73.7878, 79.8233,
78.4041

 79.9202, 82.6054,
95.8224

 84.9201, 84.9512,
106.5292

 88.0587, 86.5692,
106.6761

Harmonies

Analogous

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



63.6010, 67.9563, 12.8794



48.2294, 67.9563, 17.9721



38.8933, 67.9563, 36.5208

Triad

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



48.2294, 67.9563, 17.9721



49.6611, 67.9563, 198.2454



105.2261, 67.9563, 71.1810

Complementary

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



48.2294, 67.9563, 17.9721



27.8234, 16.7955, 78.8701

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.



99.6657, 67.9563, 130.9905



48.2294, 67.9563, 17.9721



65.5901, 67.9563, 221.7044

Square

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



48.2294, 67.9563, 17.9721



39.6067, 67.9563, 138.3433



84.2872, 67.9563, 192.8016



98.3436, 67.9563, 33.5255

Rectangle

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



48.2294, 67.9563, 17.9721



36.2857, 67.9563, 60.6651



84.2872, 67.9563, 192.8016



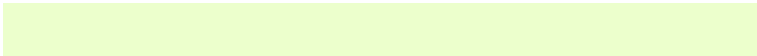
104.7459, 67.9563, 89.1423

Sweetspot

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



48.2310, 67.9593, 17.9736



81.1816, 93.6766, 70.9294



43.7474, 35.3490, 11.9154



17.0062, 19.8807, 14.2259



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.



48.2310, 67.9593, 17.9736



55.0339, 81.3804, 16.2423



35.7565, 61.5285, 17.3898



15.7704, 17.3272, 16.0320



23.3256, 36.5692, 5.8292



1.9377, 2.9263, 0.4627

Inverse Universe

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



27.8234, 16.7955, 78.8701



28.4667, 14.5174, 95.9095



44.7927, 25.5435, 79.6643



14.7673, 14.8253, 19.0055



10.7431, 4.5742, 44.0596



0.9473, 0.4126, 3.4646

Previews

White Background



This preview shows how the XYZ color 48.2294, 67.9563, 17.9721 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 48.2294, 67.9563, 17.9721 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 48.2294, 67.9563, 17.9721

Background



This preview shows how black text looks on a background with the XYZ color 48.2294, 67.9563, 17.9721.

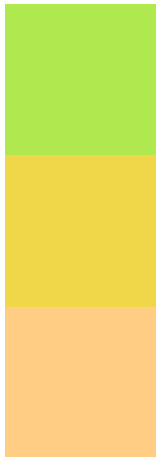


This preview shows how white text looks on a background with the XYZ color 48.2294, 67.9563,

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

48.2294, 67.9563, 17.9721

Protanopia

61.4716, 67.6206, 16.2907

Deuteranopia

67.4762, 67.0686, 31.2189



Tritanopia

62.3149, 67.6103, 88.3630

Trichromacy



Original Color

48.2294, 67.9563, 17.9721

Protanomaly

55.7447, 67.3633, 16.9018

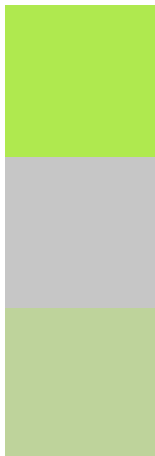
Deuteranomaly

58.9005, 66.4727, 25.3489

Tritanomaly

54.9171, 66.5545, 52.0713

Monochromacy



Original Color

48.2294, 67.9563, 17.9721

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.4459, 59.9022, 39.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2294, 67.9563, 17.9721 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(175, 233, 79)` looks like.

```
.text, #text, p{  
    color:rgb(175, 233, 79)  
}
```

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(175, 233, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 233, 79) }
```

Border

The CSS property to change the border of an element to XYZ 48.2294, 67.9563, 17.9721 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(175, 233, 79) }
```


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

```
.border{ border-color:rgb(175, 233, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 233, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 233, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 233, 79);  
box-shadow:4px 4px 4px 4px rgb(175, 233,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2294, 67.9563, 17.9721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 233, 79) }
```

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

```
.background{ background-color: rgb(175,  
233, 79) }
```

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