

Converting Colors

XYZ(67.2045, 79.2420, 47.4529)

Have a look what the booklet for
XYZ(67.2045, 79.2420, 47.4529)
contains.

XYZ(67.1849, 79.2378, 47.3507)	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(67.1849, 79.2378,
47.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEA5
RGB	221, 238, 165
RGB Percent	87%, 93%, 65%
CMY	0.1333, 0.0666, 0.3529
CMYK	0.07, 0.00, 0.31, 0.07
HSL	74°, 68%, 79%
HSV	74°, 31%, 93%
XYZ	67.1849, 79.2378, 47.3507
YIQ	224.5950, 13.3010, -26.3070

Conversions

Conversions Part 2

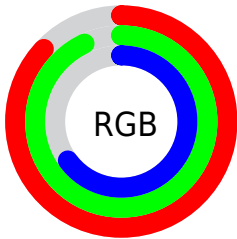
Format	Color
RYB	165, 238, 182
Decimal	14544549
CIELab	91.34, -17.28, 33.55
CIELCh	91, 37.737, 117.257
Yxy	79.2378, 0.3467, 0.4089
Android (android.graphics.Color)	4292734629 (0xFFDDEEA5)
YUV	224.5950, -29.3803, -3.1528
Hunter-Lab	89.0156, -21.0537, 30.7724

Details

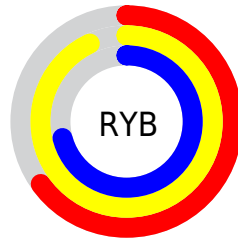
The XYZ color **67.1849, 79.2378, 47.3507** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.1821, 43.0305, 86.6595**, and the grayscale version is **71.4765, 75.1988, 81.8915**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.1696, 42.6251, 21.7031** is the 20% darker color. If you saturate the color by 10%, you get **63.5576, 77.5978, 36.9061**, and if you desaturate by 10%, it is **71.2752, 81.0749, 59.9244**.

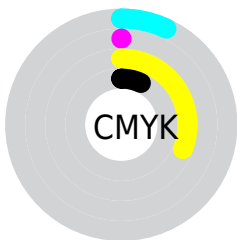
Distribution



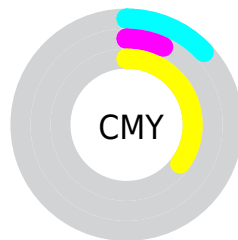
- Red (87%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (13%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1849, 79.2378, 47.3507 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 67.1849, 79.2378, 47.3507 by changing the saturation by 10% instead.


 67.1849, 79.2378,
47.3507

 67.1849, 79.2378,
47.3507


440.0248,
492.3604, 392.6469

 49.5062, 59.0913,
32.9567


 114.2336,
132.2936, 87.5923

 35.2373, 42.6867,
21.8224


 144.3344,
165.9717, 114.2770

 24.0131, 29.6393,
13.5294

179.3064,
204.9292, 145.8956

 15.4682, 19.5650,
7.6591

219.5152,
249.5504, 182.8667

 9.2371, 12.0792,
3.7930

265.3261,
300.2197, 225.6088

 4.9545, 6.7977,
1.5125

317.1044,

 2.2551, 3.3359,

357.3216, 274.5406

0.2272

375.2155,
421.2403, 330.0804

0.7715, 1.3095,
0.0000

0.0000, 0.1485,
0.0000

67.1849, 79.2378,
47.3507

67.1849, 79.2378,
47.3507

63.5576, 77.5978,
36.9061

71.2752, 81.0749,
59.9244

60.3642, 76.1350,
28.4676

75.8436, 83.1070,
74.7311

57.5817, 74.8429,
21.9072

80.9119, 85.3456,
91.8738

55.1821, 73.7102,
17.0804

85.6493, 87.4585,
106.9747

■ 53.1333, 72.7240,
13.8214

■ 87.5936, 88.4608,
107.0657

■ 51.3972, 71.8690,
11.9323

■ 89.5961, 89.4931,
107.1594

■ 50.0015, 71.1665,
11.1012

■ 89.8662, 89.6324,
107.1721

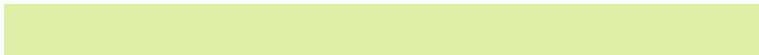
Harmonies

Analogous

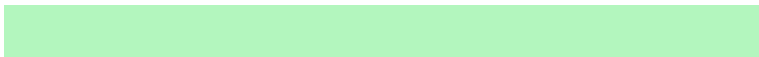
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1986, 79.2378, 43.5685



67.1849, 79.2378, 47.3507



60.8524, 79.2378, 60.7635

Triad

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



67.1849, 79.2378, 47.3507



65.7792, 79.2378, 138.7149



95.2602, 79.2378, 88.8272

Complementary

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



67.1849, 79.2378, 47.3507



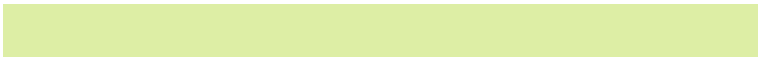
48.1821, 43.0305, 86.6595

Split Complementary

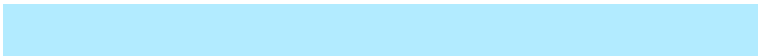
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9005, 79.2378, 118.0858



67.1849, 79.2378, 47.3507



74.4346, 79.2378, 150.4577

Square

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



67.1849, 79.2378, 47.3507



60.0905, 79.2378, 112.7742



84.0719, 79.2378, 142.2106



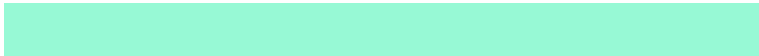
92.9114, 79.2378, 64.2930

Rectangle

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



67.1849, 79.2378, 47.3507



58.7311, 79.2378, 75.1507



84.0719, 79.2378, 142.2106



94.7549, 79.2378, 98.4495

Sweetspot

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



67.1869, 79.2413, 47.3524



89.6331, 97.6092, 90.4975



58.5408, 53.8693, 42.9108



19.0075, 20.8137, 18.7790



0.0000, 0.0000, 0.0000



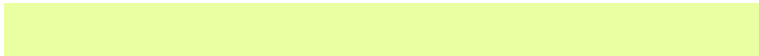
20.3446, 21.4041, 23.3091

Same Dimension

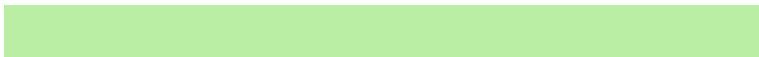
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1869, 79.2413, 47.3524



75.7738, 91.4083, 47.2065



57.5416, 74.2690, 46.9010



16.7420, 18.2627, 16.7924



28.0137, 39.7631, 6.1986



2.4166, 3.3523, 0.5197

Inverse Universe

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



48.1821, 43.0305, 86.6595



50.1737, 42.6092, 100.1877



57.5999, 47.8855, 87.1003



15.2418, 15.4064, 19.8920



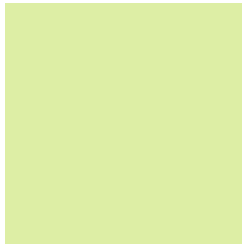
9.5964, 3.9525, 45.3850



0.8832, 0.3726, 3.7796

Previews

White Background



This preview shows how the XYZ color 67.1849, 79.2378, 47.3507 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 67.1849, 79.2378, 47.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

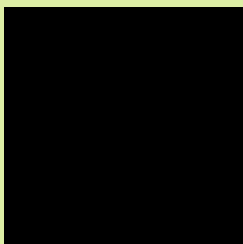
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

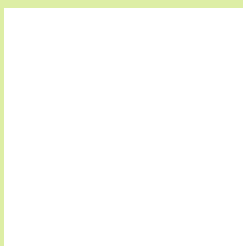
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1849, 79.2378, 47.3507

Background



This preview shows how black text looks on a background with the XYZ color 67.1849, 79.2378, 47.3507.

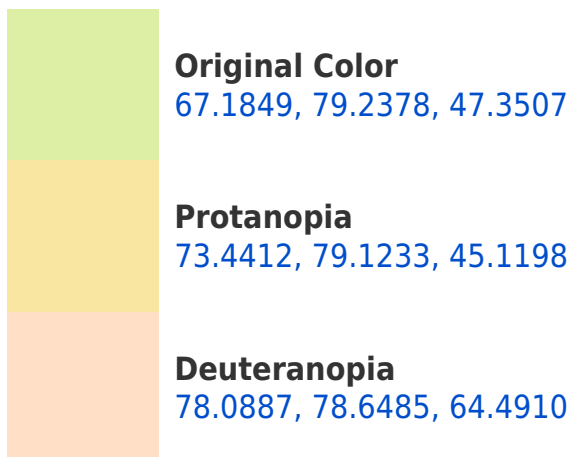


This preview shows how white text looks on a background with the XYZ color 67.1849, 79.2378,

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

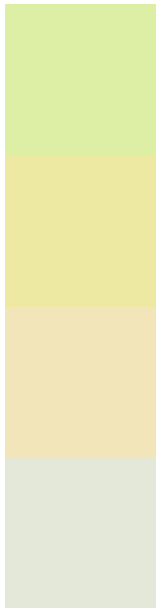




Tritanopia

77.6567, 79.2964, 98.4016

Trichromacy



Original Color

67.1849, 79.2378, 47.3507

Protanomaly

70.9204, 79.0636, 45.7053

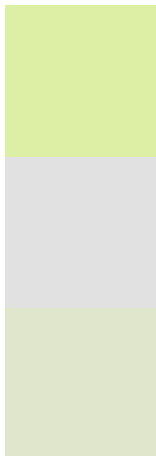
Deuteranomaly

73.8444, 78.6385, 57.7411

Tritanomaly

73.3759, 79.2170, 77.0687

Monochromacy



Original Color

67.1849, 79.2378, 47.3507

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.8168, 76.7527, 67.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1849, 79.2378, 47.3507 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(221, 238, 165)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 165)  
}
```

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(221, 238, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 165) }
```

Border

The CSS property to change the border of an element to XYZ 67.1849, 79.2378, 47.3507 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(221, 238, 165) }
```


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

```
.border{ border-color:rgb(221, 238, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 165);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1849, 79.2378, 47.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 165) }
```

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

```
.background{ background-color: rgb(221,  
238, 165) }
```

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