

Converting Colors

XYZ(46.1363, 67.0691, 47.5598)

Have a look what the booklet for
XYZ(46.1363, 67.0691, 47.5598)
contains.

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Color

**XYZ(46.1363, 67.0691,
47.5598)**

Conversions

Conversions Part 1

Format	Color
Hex	83EBA8
RGB	131, 235, 168
RGB Percent	51%, 92%, 66%
CMY	0.4863, 0.0784, 0.3412
CMYK	0.44, 0.00, 0.29, 0.08
HSL	141°, 72%, 72%
HSV	141°, 44%, 92%
XYZ	46.1363, 67.0691, 47.5598
YIQ	196.2660, -40.4770, -42.8850

Conversions

Conversions Part 2

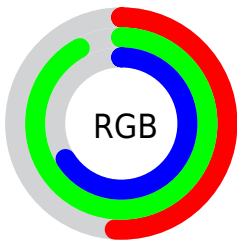
Format	Color
RYB	131, 208, 235
Decimal	8645544
CIELab	85.54, -44.72, 23.32
CIELCh	86, 50.432, 152.459
Yxy	67.0691, 0.2870, 0.4172
Android (android.graphics.Color)	4286835624 (0xFF83EBA8)
YUV	196.2660, -13.9351, -57.2383
Hunter-Lab	81.8957, -42.7588, 22.8952

Details

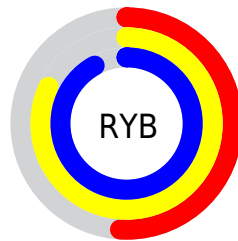
The XYZ color **46.1363, 67.0691, 47.5598** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.5725, 37.9735, 57.9873**, and the grayscale version is **52.7289, 55.4749, 60.4122**.

A 20% lighter version of the original color is **69.8183, 87.5391, 83.0290**, and **21.8968, 34.5576, 22.0392** is the 20% darker color. If you saturate the color by 10%, you get **41.5719, 64.8715, 40.4078**, and if you desaturate by 10%, it is **51.6939, 69.7634, 55.6185**.

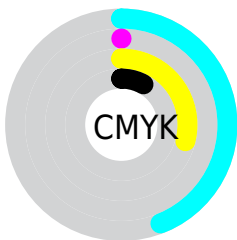
Distribution



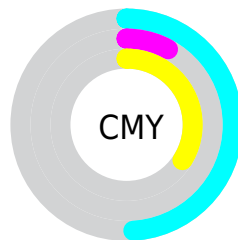
- Red (51%)
- Green (92%)
- Blue (66%)



- Red (51%)
- Yellow (82%)
- Blue (92%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)





- Cyan (49%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1363, 67.0691, 47.5598 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 46.1363, 67.0691, 47.5598 by changing the saturation by 10% instead.


 46.1363, 67.0691,
47.5598


 46.1363, 67.0691,
47.5598


362.0631,
450.1907, 393.5029


 32.5585, 49.1408,
33.1209


 83.6496, 115.0194,
87.9073

 21.9460, 34.7312,
21.9472

 108.3157,
145.8102, 114.6531

 13.9336, 23.4559,
13.6202


 137.4087,
181.6573, 146.3382

 8.1559, 14.9305,
7.7212

171.2938,
222.9450, 183.3811

 4.2475, 8.7706,
3.8319

210.3364,
270.0579, 226.2006

 1.8431, 4.5919,
1.5336

254.9020,

 0.5434, 2.0098,

323.3801, 275.2150

0.2428

305.3557,
383.2963, 330.8429

0.0000, 0.6132,
0.0000

0.0000, 0.0000,
0.0000

46.1363, 67.0691,
47.5598

46.1363, 67.0691,
47.5598

41.5719, 64.8715,
40.4078

51.6939, 69.7634,
55.6185

37.9332, 63.1310,
34.1258


58.2960, 72.9747,
64.6098


35.1525, 61.8151,
28.6810


65.9964, 76.7321,
74.5642


33.1498, 60.8834,
24.0369

74.8438, 81.0600,
85.5097

 31.8281, 60.2866,
20.1538

 84.8838, 85.9814,
97.4727

 31.2944, 60.0531,
18.2488

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



52.6367, 67.0691, 31.6705



46.1363, 67.0691, 47.5598



44.1683, 67.0691, 75.7680

Triad

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



46.1363, 67.0691, 47.5598



64.6973, 67.0691, 155.9671



84.2074, 67.0691, 44.1226

Complementary

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



46.1363, 67.0691, 47.5598



52.5725, 37.9735, 57.9873

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.



88.3951, 67.0691, 70.3526



46.1363, 67.0691, 47.5598



76.3204, 67.0691, 140.2705

Square

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



46.1363, 67.0691, 47.5598



54.0911, 67.0691, 144.4960



85.3507, 67.0691, 106.2678



74.4890, 67.0691, 30.1444

Rectangle

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



46.1363, 67.0691, 47.5598



45.4738, 67.0691, 99.8869



85.3507, 67.0691, 106.2678



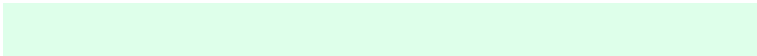
86.3578, 67.0691, 51.4732

Sweetspot

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



46.1381, 67.0719, 47.5613



80.6384, 92.9460, 91.2640



57.2546, 73.1459, 32.5744



16.7872, 19.6633, 18.9371



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.



46.1381, 67.0719, 47.5613



50.5464, 78.3269, 49.4668



51.9094, 69.3804, 77.9529



15.0897, 16.9507, 17.1551



17.4712, 33.4429, 10.4463



1.4163, 2.6438, 1.0540

Inverse Universe

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



52.5725, 37.9735, 57.9873



59.1910, 39.1579, 63.4179



47.6143, 35.9902, 31.8777



15.4741, 15.2175, 17.7820



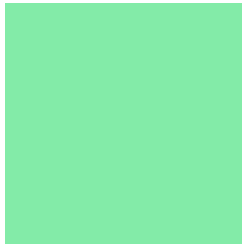
22.2575, 11.1057, 17.6891



1.7933, 0.8903, 1.6287

Previews

White Background



This preview shows how the XYZ color 46.1363, 67.0691, 47.5598 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 46.1363, 67.0691, 47.5598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

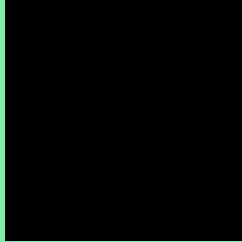
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1363, 67.0691, 47.5598

Background



This preview shows how black text looks on a background with the XYZ color 46.1363, 67.0691, 47.5598.



This preview shows how white text looks on a background with the XYZ color 46.1363, 67.0691,

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

46.1363, 67.0691, 47.5598

Protanopia

61.7099, 66.0496, 41.8441

Deuteranopia

67.3368, 65.8737, 49.7233



Tritanopia

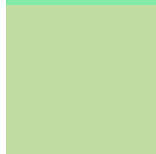
55.4973, 66.7111, 94.7455

Trichromacy



Original Color

46.1363, 67.0691, 47.5598



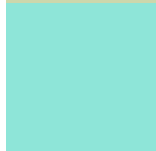
Protanomaly

54.1071, 65.1325, 43.9025



Deuteranomaly

56.6487, 64.4168, 48.4777



Tritanomaly

51.5693, 66.7473, 75.1313

Monochromacy



Original Color

46.1363, 67.0691, 47.5598



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.9228, 58.4090, 55.1499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1363, 67.0691, 47.5598 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(131, 235, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 235, 168)  
}
```

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(131, 235, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 235, 168) }
```

Border

The CSS property to change the border of an element to XYZ 46.1363, 67.0691, 47.5598 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(131, 235, 168) }
```


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

```
.border{ border-color:rgb(131, 235, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 235, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 235, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 235, 168);  
box-shadow:4px 4px 4px 4px rgb(131, 235,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1363, 67.0691, 47.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 235, 168) }
```

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

```
.background{ background-color: rgb(131,  
235, 168) }
```

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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