

Converting Colors

XYZ(47.3453, 68.8302, 46.2365)

Have a look what the booklet for
XYZ(47.3453, 68.8302, 46.2365)
contains.

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Color

**XYZ(47.5194, 69.0999,
46.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	88EEA5
RGB	136, 238, 165
RGB Percent	53%, 93%, 65%
CMY	0.4667, 0.0666, 0.3529
CMYK	0.43, 0.00, 0.31, 0.07
HSL	137°, 75%, 73%
HSV	137°, 43%, 93%
XYZ	47.5194, 69.0999, 46.4304
YIQ	199.1800, -37.3590, -44.3270

Conversions

Conversions Part 2

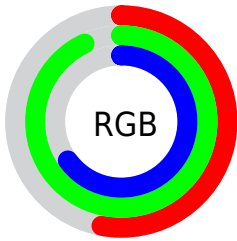
Format	Color
RYB	136, 215, 238
Decimal	8973989
CIELab	86.55, -45.20, 26.28
CIElCh	87, 52.286, 149.828
Yxy	69.0999, 0.2914, 0.4238
Android (android.graphics.Color)	4287164069 (0xFF88EEA5)
YUV	199.1800, -16.8507, -55.4089
Hunter-Lab	83.1263, -43.4311, 25.0719

Details

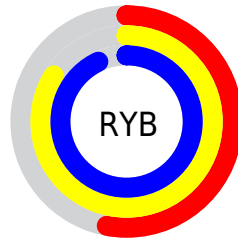
The XYZ color **47.5194, 69.0999, 46.4304** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5749, 40.3904, 65.1911**, and the grayscale version is **54.5141, 57.3530, 62.4575**.

A 20% lighter version of the original color is **70.6706, 88.0248, 80.9759**, and **22.7290, 35.9023, 21.3547** is the 20% darker color. If you saturate the color by 10%, you get **42.6264, 66.7468, 38.6407**, and if you desaturate by 10%, it is **53.4807, 71.9838, 55.3510**.

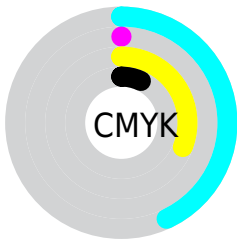
Distribution



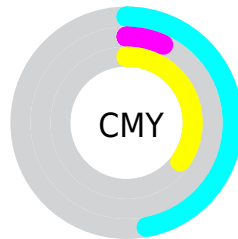
- Red (53%)
- Green (93%)
- Blue (65%)



- Red (53%)
- Yellow (84%)
- Blue (93%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (47%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5194, 69.0999, 46.4304 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 47.5194, 69.0999, 46.4304 by changing the saturation by 10% instead.


 47.5194, 69.0999,
46.4304


 47.5194, 69.0999,
46.4304


367.4983,
457.3832, 388.8640


 33.6561, 50.7931,
32.2345


 85.7024, 117.9243,
86.2038

 22.7912, 36.0440,
21.2744


 110.7529,
149.2106, 112.6184

 14.5592, 24.4681,
13.1315


 140.2631,
185.5922, 143.9429

 8.5949, 15.6813,
7.3874

174.5985,
227.4534, 180.5960

 4.5329, 9.2989,
3.6234

214.1244,
275.1788, 222.9961

 2.0078, 4.9366,
1.4211


259.2060,

 0.6383, 2.2101,


329.1526, 271.5618


0.1581


310.2089,
389.7593, 326.7116


 0.0000, 0.7255,
0.0000


 0.0000, 0.0000,
0.0000


 47.5194, 69.0999,
46.4304


 47.5194, 69.0999,
46.4304


 42.6264, 66.7468,
38.6407


 53.4807, 71.9838,
55.3510


 38.7307, 64.8829,
31.9320


 60.5648, 75.4198,
65.4406


 35.7611, 63.4746,
26.2571


 68.8288, 79.4384,
76.7413

 33.6338, 62.4796,
21.5640

 78.3241, 84.0655,
89.2917

 32.2488, 61.8476,
17.7954

 89.0980, 89.3245,
103.1283

 31.6091, 61.5650,
15.6331

 89.8658, 89.6317,
107.1719

Harmonies

Analogous

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



54.7540, 69.0999, 30.9187



47.5194, 69.0999, 46.4304



45.0199, 69.0999, 75.0374

Triad

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



47.5194, 69.0999, 46.4304



65.6073, 69.0999, 163.6655



88.0412, 69.0999, 46.6830

Complementary

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



47.5194, 69.0999, 46.4304



55.5749, 40.3904, 65.1911

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.



91.8481, 69.0999, 75.4390



47.5194, 69.0999, 46.4304



77.9647, 69.0999, 149.2657

Square

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



47.5194, 69.0999, 46.4304



54.6465, 69.0999, 148.9489



87.9559, 69.0999, 114.0173



78.1010, 69.0999, 31.0298

Rectangle

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



47.5194, 69.0999, 46.4304



46.1025, 69.0999, 100.2242



87.9559, 69.0999, 114.0173



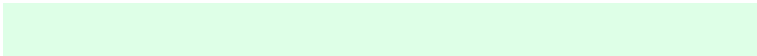
90.1313, 69.0999, 54.7934

Sweetspot

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



47.5212, 69.1028, 46.4320



80.3010, 92.8110, 89.4871



61.3437, 76.4997, 34.8260



16.7046, 19.6302, 18.5019



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.



47.5212, 69.1028, 46.4320



50.7251, 78.4822, 46.6225



53.1117, 71.3390, 75.8711



15.7507, 17.7303, 17.7098



17.6819, 34.3648, 8.9736



1.5122, 2.8753, 0.9635

Inverse Universe

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



55.5749, 40.3904, 65.1911



61.2255, 40.9779, 71.0295



50.2462, 38.2589, 37.1304



16.2515, 15.9503, 18.8804



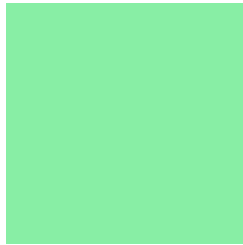
23.7954, 11.7906, 22.6369



2.0220, 0.9979, 2.1069

Previews

White Background



This preview shows how the XYZ color 47.5194, 69.0999, 46.4304 looks on a white background.

Color Contrast Check

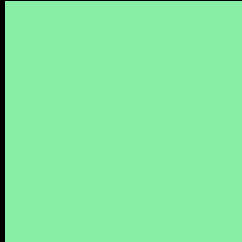
Large Text (above 18pt) WCAG AA × Fail

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 47.5194, 69.0999, 46.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

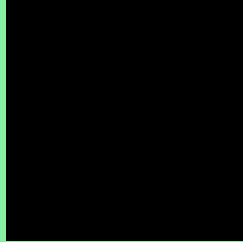
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5194, 69.0999, 46.4304

Background



This preview shows how black text looks on a background with the XYZ color 47.5194, 69.0999, 46.4304.



This preview shows how white text looks on a background with the XYZ color 47.5194, 69.0999,

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

47.5194, 69.0999, 46.4304

Protanopia

63.4955, 68.1232, 40.8129

Deuteranopia

69.5429, 68.1134, 48.5116



Tritanopia

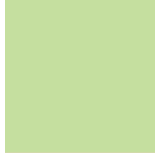
57.7044, 69.0107, 97.4678

Trichromacy



Original Color

47.5194, 69.0999, 46.4304



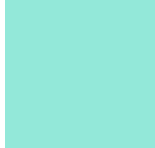
Protanomaly

55.6716, 67.1489, 42.8277



Deuteranomaly

58.5273, 66.5627, 47.2993



Tritanomaly

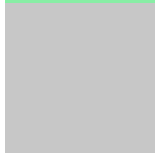
53.4136, 68.9260, 76.1345

Monochromacy



Original Color

47.5194, 69.0999, 46.4304



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.6684, 60.4065, 56.0028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5194, 69.0999, 46.4304 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(136, 238, 165)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 238, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 238, 165) }
```

Border

The CSS property to change the border of an element to XYZ 47.5194, 69.0999, 46.4304 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(136, 238, 165) }
```


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

```
.border{ border-color:rgb(136, 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(136, 238, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 238, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 238, 165);  
box-shadow:4px 4px 4px 4px rgb(136, 238,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5194, 69.0999, 46.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 238, 165) }
```

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

```
.background{ background-color: rgb(136,  
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](#).

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