

Converting Colors

XYZ(47.3841, 67.9911, 32.8710)

Have a look what the booklet for
XYZ(47.3841, 67.9911, 32.8710)
contains.

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Color

**XYZ(47.4595, 68.0787,
32.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	9BEB85
RGB	155, 235, 133
RGB Percent	61%, 92%, 52%
CMY	0.3922, 0.0784, 0.4784
CMYK	0.34, 0.00, 0.43, 0.08
HSL	107°, 72%, 72%
HSV	107°, 43%, 92%
XYZ	47.4595, 68.0787, 32.8294
YIQ	199.4520, -14.9380, -48.6820

Conversions

Conversions Part 2

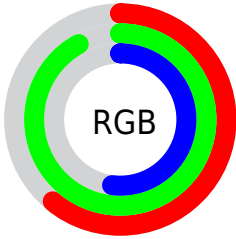
Format	Color
RYB	133, 235, 213
Decimal	10218373
CIELab	86.05, -43.18, 41.83
CIElCh	86, 60.119, 135.910
Yxy	68.0787, 0.3199, 0.4589
Android (android.graphics.Color)	4288408453 (0xFF9BEB85)
YUV	199.4520, -32.7608, -38.9844
Hunter-Lab	82.5098, -41.7193, 34.1663

Details

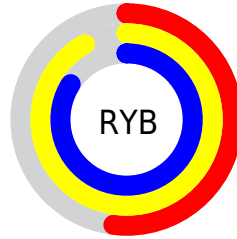
The XYZ color **47.4595, 68.0787, 32.8294** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.8267, 36.9215, 83.0487**, and the grayscale version is **54.7657, 57.6178, 62.7458**.

A 20% lighter version of the original color is **71.8810, 89.1049, 60.4241**, and **22.8608, 35.5436, 13.4403** is the 20% darker color. If you saturate the color by 10%, you get **42.7430, 65.8164, 25.0612**, and if you desaturate by 10%, it is **53.0826, 70.7705, 42.5387**.

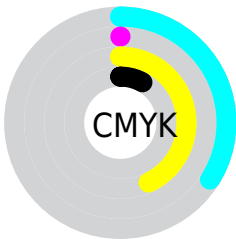
Distribution



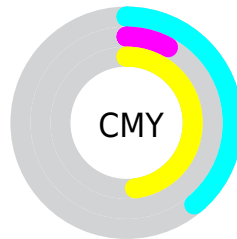
- Red (61%)
- Green (92%)
- Blue (52%)



- Red (52%)
- Yellow (92%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (43%)
- Black (8%)





- Cyan (39%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4595, 68.0787, 32.8294 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 47.4595, 68.0787, 32.8294 by changing the saturation by 10% instead.


 47.4595, 68.0787,
32.8294

 47.4595, 68.0787,
32.8294


367.2640,
453.7748, 329.4887


 33.6085, 49.9618,
21.7257


 85.6137, 116.4647,
65.2220

 22.7545, 35.3830,
13.4591


 110.6476,
147.5026, 87.3481

 14.5320, 23.9581,
7.6110


 140.1399,
183.6162, 113.9853

 8.5758, 15.3025,
3.7629

174.4559,
225.1900, 145.5523

 4.5204, 9.0320,
1.4962

213.9609,
272.6084, 182.4676

 2.0006, 4.7620,
0.2151

259.0204,

 0.6343, 2.1083,

326.2557, 225.1498

0.0000

309.9997,
386.5164, 274.0173

0.0000, 0.6693,
0.0000

0.0000, 0.0000,
0.0000

47.4595, 68.0787,
32.8294

47.4595, 68.0787,
32.8294

42.7430, 65.8164,
25.0612

53.0826, 70.7705,
42.5387

38.8791, 63.9524,
19.0994


59.6524, 73.9038,
54.3029

35.8158, 62.4652,
14.7992


67.2126, 77.5007,
68.2321

33.4925, 61.3273,
11.9916

75.8025, 81.5794,
84.4277

 31.8391, 60.5069,
10.4718

 85.4595, 86.1571,
102.9842

 31.0589, 60.1150,
9.9664

 88.9997, 87.8995,
106.8832

Harmonies

Analogous

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



57.7026, 68.0787, 22.4334



47.4595, 68.0787, 32.8294



42.2334, 68.0787, 57.1237

Triad

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



47.4595, 68.0787, 32.8294



58.4601, 68.0787, 174.9512



93.7237, 68.0787, 55.1862

Complementary

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



47.4595, 68.0787, 32.8294



50.8267, 36.9215, 83.0487

Split Complementary

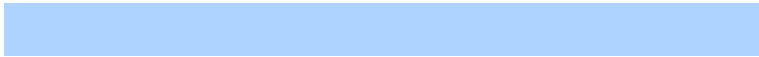
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0032, 68.0787, 94.2061



47.4595, 68.0787, 32.8294



72.2560, 68.0787, 173.8460

Square

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



47.4595, 68.0787, 32.8294



47.9459, 68.0787, 143.1941



85.6957, 68.0787, 140.5629



84.9789, 68.0787, 31.8476

Rectangle

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



47.4595, 68.0787, 32.8294



41.7408, 68.0787, 82.2288



85.6957, 68.0787, 140.5629



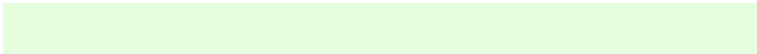
94.8487, 68.0787, 66.5740

Sweetspot

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



47.4612, 68.0816, 32.8309



81.2375, 93.4437, 82.7567



62.2666, 66.8970, 31.8219



16.9318, 19.7839, 16.8638



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.



47.4612, 68.0816, 32.8309



52.0595, 79.5140, 31.1465



45.8960, 67.0115, 44.6529



15.1720, 17.0187, 16.0040



17.3724, 33.5003, 5.5506



1.4437, 2.6716, 0.4396

Inverse Universe

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



50.8267, 36.9215, 83.0487



56.5496, 37.4716, 98.8600



53.8037, 38.9001, 63.1317



15.3785, 15.1404, 19.0341



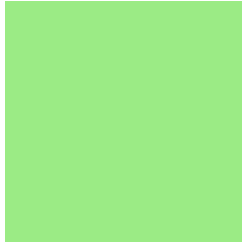
19.5019, 9.0895, 44.4696



1.6102, 0.7544, 3.4956

Previews

White Background



This preview shows how the XYZ color 47.4595, 68.0787, 32.8294 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 47.4595, 68.0787, 32.8294 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

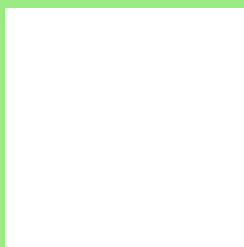
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4595, 68.0787, 32.8294

Background



This preview shows how black text looks on a background with the XYZ color 47.4595, 68.0787, 32.8294.



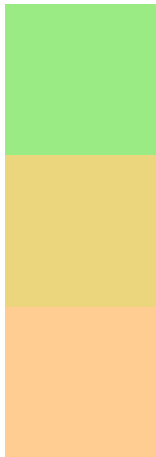
This preview shows how white text looks on a background with the XYZ color 47.4595, 68.0787,

32.8294.

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

47.4595, 68.0787, 32.8294

Protanopia

62.0092, 67.2360, 29.1116

Deuteranopia

68.2596, 66.9980, 36.5284



Tritanopia

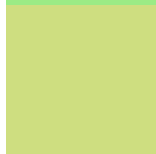
59.5714, 68.0653, 92.4362

Trichromacy



Original Color

47.4595, 68.0787, 32.8294



Protanomaly

55.4712, 66.9229, 30.4158



Deuteranomaly

58.5770, 66.0949, 34.8696



Tritanomaly

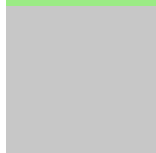
53.9481, 67.3707, 65.4188

Monochromacy



Original Color

47.4595, 68.0787, 32.8294



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.8098, 60.2494, 49.5088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4595, 68.0787, 32.8294 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(155, 235, 133)` looks like.

```
.text, #text, p{  
    color:rgb(155, 235, 133)  
}
```

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(155, 235, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 235, 133) }
```

Border

The CSS property to change the border of an element to XYZ 47.4595, 68.0787, 32.8294 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(155, 235, 133) }
```


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

```
.border{ border-color:rgb(155, 235, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 235, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 235, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 235, 133);  
box-shadow:4px 4px 4px 4px rgb(155, 235,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4595, 68.0787, 32.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 235, 133) }
```

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

```
.background{ background-color: rgb(155,  
235, 133) }
```

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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