

Converting Colors

XYZ(47.4927, 68.3172, 27.4092)

Have a look what the booklet for
XYZ(47.4927, 68.3172, 27.4092)
contains.

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Color

**XYZ(47.4164, 68.1746,
27.4895)**

Conversions

Conversions Part 1

Format	Color
Hex	A0EB75
RGB	160, 235, 117
RGB Percent	63%, 92%, 46%
CMY	0.3725, 0.0784, 0.5412
CMYK	0.32, 0.00, 0.50, 0.08
HSL	98°, 75%, 69%
HSV	98°, 50%, 92%
XYZ	47.4164, 68.1746, 27.4895
YIQ	199.1230, -6.8220, -52.5980

Conversions

Conversions Part 2

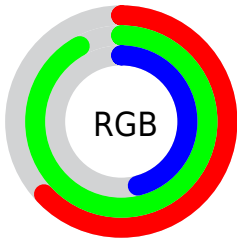
Format	Color
RYB	117, 235, 192
Decimal	10546037
CIELab	86.09, -43.51, 49.62
CIELCh	86, 65.991, 131.245
Yxy	68.1746, 0.3314, 0.4765
Android (android.graphics.Color)	4288736117 (0xFFA0EB75)
YUV	199.1230, -40.4866, -34.3109
Hunter-Lab	82.5679, -41.9864, 38.0580

Details

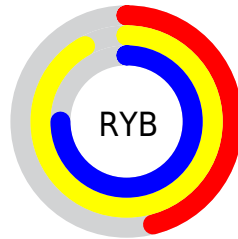
The XYZ color **47.4164, 68.1746, 27.4895** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.0980, 29.9293, 82.1065**, and the grayscale version is **54.6060, 57.4498, 62.5628**.

A 20% lighter version of the original color is **71.7260, 89.2120, 51.9674**, and **22.7832, 35.5649, 10.6649** is the 20% darker color. If you saturate the color by 10%, you get **43.3960, 66.2442, 20.9722**, and if you desaturate by 10%, it is **52.1458, 70.4346, 35.8530**.

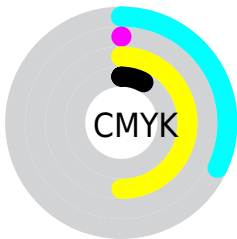
Distribution



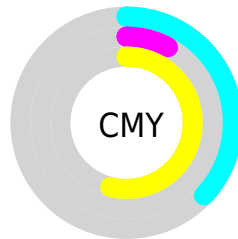
- Red (63%)
- Green (92%)
- Blue (46%)



- Red (46%)
- Yellow (92%)
- Blue (75%)



- Cyan (32%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)





- Cyan (37%)
- Magenta (8%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4164, 68.1746, 27.4895 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 47.4164, 68.1746, 27.4895 by changing the saturation by 10% instead.


 47.4164, 68.1746,
27.4895


 47.4164, 68.1746,
27.4895


367.0954,
454.1144, 303.8543


 33.5743, 50.0398,
17.7055


 85.5498, 116.6019,
56.6816

 22.7281, 35.4450,
10.5715


 110.5718,
147.6632, 76.9268

 14.5124, 24.0059,
5.6690


 140.0512,
183.8020, 101.4962

 8.5620, 15.3380,
2.5794

174.3532,
225.4029, 130.8083

 4.5114, 9.0569,
0.8818

213.8433,
272.8502, 165.2816

 1.9953, 4.7783,
0.0000

258.8868,

 0.6313, 2.1178,

326.5283, 205.3346

0.0000

309.8490,
386.8215, 251.3860

0.0000, 0.6746,
0.0000

0.0000, 0.0000,
0.0000

47.4164, 68.1746,
27.4895

47.4164, 68.1746,
27.4895

43.3960, 66.2442,
20.9722

52.1458, 70.4346,
35.8530

40.0404, 64.6175,
16.1568


57.6150, 73.0311,
46.1837

37.3078, 63.2783,
12.8845


63.8587, 75.9815,
58.5977

35.1477, 62.2050,
10.9650

70.9079, 79.2996,
73.2005

 33.5135, 61.3804,
10.0813

 78.7917, 82.9982,
90.0908

 87.0499, 86.8943,
106.7920

 88.9998, 87.8995,
106.8833

Harmonies

Analogous

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



59.2777, 68.1746, 18.7650



47.4164, 68.1746, 27.4895



40.9286, 68.1746, 50.4937

Triad

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



47.4164, 68.1746, 27.4895



55.8700, 68.1746, 184.6693



97.8009, 68.1746, 59.1108

Complementary

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



47.4164, 68.1746, 27.4895



43.0980, 29.9293, 82.1065

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.



96.5065, 68.1746, 104.4383



47.4164, 68.1746, 27.4895



70.6506, 68.1746, 189.9139

Square

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



47.4164, 68.1746, 27.4895



45.2578, 68.1746, 143.9977



85.9797, 68.1746, 156.3611



89.2808, 68.1746, 31.6724

Rectangle

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



47.4164, 68.1746, 27.4895



39.8047, 68.1746, 76.0600



85.9797, 68.1746, 156.3611



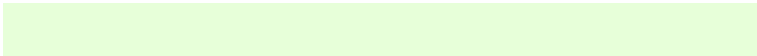
98.5301, 68.1746, 72.4306

Sweetspot

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



47.4181, 68.1775, 27.4910



81.1061, 93.4537, 79.2389



56.2658, 56.5316, 24.7768



16.9796, 19.8238, 16.1751



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.



47.4181, 68.1775, 27.4910



52.2096, 79.7230, 25.2067



41.2618, 64.8878, 32.4449



15.3865, 17.1293, 16.0140



18.7788, 34.2253, 5.6164



1.5770, 2.7403, 0.4458

Inverse Universe

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



43.0980, 29.9293, 82.1065



46.4211, 28.8992, 97.7392



53.4462, 35.5151, 71.2435



15.1518, 15.0235, 19.0235



15.4264, 6.9885, 44.2788



1.3163, 0.6029, 3.4819

Previews

White Background



This preview shows how the XYZ color 47.4164, 68.1746, 27.4895 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 47.4164, 68.1746, 27.4895 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 47.4164, 68.1746, 27.4895

Background



This preview shows how black text looks on a background with the XYZ color 47.4164, 68.1746, 27.4895.

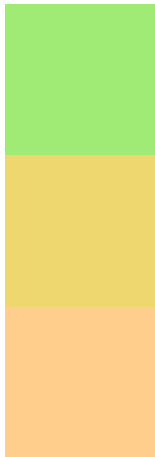


This preview shows how white text looks on a background with the XYZ color 47.4164, 68.1746,

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

47.4164, 68.1746, 27.4895

Protanopia

62.0400, 67.7312, 24.5554

Deuteranopia

68.1190, 67.3257, 34.6042



Tritanopia

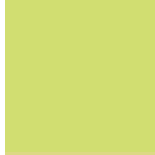
60.2917, 68.0583, 91.6202

Trichromacy



Original Color

47.4164, 68.1746, 27.4895



Protanomaly

55.3964, 66.9901, 25.6335



Deuteranomaly

58.4929, 66.5073, 31.5841



Tritanomaly

54.3327, 67.6490, 61.8237

Monochromacy



Original Color

47.4164, 68.1746, 27.4895



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.7125, 60.2658, 46.4958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4164, 68.1746, 27.4895 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(160, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(160, 235, 117)  
}
```

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(160, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 235, 117) }
```

Border

The CSS property to change the border of an element to XYZ 47.4164, 68.1746, 27.4895 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(160, 235, 117) }
```


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

```
.border{ border-color:rgb(160, 235, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 235, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(160, 235,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4164, 68.1746, 27.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 235, 117) }
```

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

```
.background{ background-color: rgb(160,  
235, 117) }
```

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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