

Converting Colors

XYZ(47.5808, 66.9569, 29.9212)

Have a look what the booklet for
XYZ(47.5808, 66.9569, 29.9212)
contains.

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Color

**XYZ(47.4586, 66.8753,
29.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	A2E87D
RGB	162, 232, 125
RGB Percent	64%, 91%, 49%
CMY	0.3647, 0.0902, 0.5098
CMYK	0.30, 0.00, 0.46, 0.09
HSL	99°, 70%, 70%
HSV	99°, 46%, 91%
XYZ	47.4586, 66.8753, 29.8089
YIQ	198.8720, -7.3730, -48.1170

Conversions

Conversions Part 2

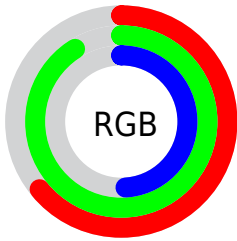
Format	Color
RYB	125, 232, 195
Decimal	10676349
CIELab	85.44, -40.58, 45.03
CIELCh	85, 60.617, 132.020
Yxy	66.8753, 0.3292, 0.4640
Android (android.graphics.Color)	4288866429 (0xFFA2E87D)
YUV	198.8720, -36.4189, -32.3367
Hunter-Lab	81.7773, -39.5197, 35.6321

Details

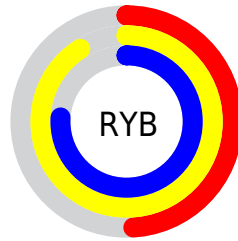
The XYZ color **47.4586, 66.8753, 29.8089** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **44.4077, 32.0975, 80.2025**, and the grayscale version is **54.4283, 57.2628, 62.3591**.

A 20% lighter version of the original color is **73.1101, 89.8347, 56.1344**, and **22.7913, 34.6575, 11.7917** is the 20% darker color. If you saturate the color by 10%, you get **43.2472, 64.8580, 22.7585**, and if you desaturate by 10%, it is **52.3917, 69.2287, 38.7026**.

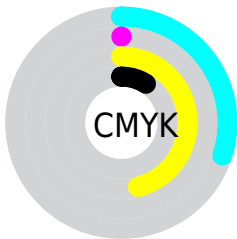
Distribution



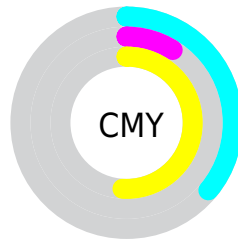
- Red (64%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)





- Cyan (36%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4586, 66.8753, 29.8089 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 47.4586, 66.8753, 29.8089 by changing the saturation by 10% instead.


 47.4586, 66.8753,
29.8089

 47.4586, 66.8753,
29.8089


367.2605,
449.5008, 315.1922


 33.6078, 48.9833,
19.4428


 85.6123, 114.7417,
60.4173

 22.7539, 34.6062,
11.8106


 110.6460,
145.4849, 81.4966

 14.5316, 23.3597,
6.4939

 140.1380,
181.2806, 106.9840

 8.5755, 14.8593,
3.0740

174.4537,
222.5132, 137.2981

 4.5202, 8.7207,
1.1326

213.9585,
269.5672, 172.8575

 2.0004, 4.5595,
0.0000

259.0176,

 0.6342, 1.9912,

322.8268, 214.0806

0.0000

309.9965,
382.6765, 261.3860

0.0000, 0.6023,
0.0000

0.0000, 0.0000,
0.0000

47.4586, 66.8753,
29.8089

47.4586, 66.8753,
29.8089

43.2472, 64.8580,
22.7585

52.3917, 69.2287,
38.7026

39.7149, 63.1516,
17.4177


58.0762, 71.9249,
49.5522


36.8217, 61.7406,
13.6415


64.5458, 74.9810,
62.4664


34.5204, 60.6046,
11.2593


71.8310, 78.4105,
77.5447

 32.7550, 59.7193,
10.0591

 79.9601, 82.2259,
94.8801

 32.1848, 59.4310,
9.7750

 87.4422, 85.8322,
106.5663

 88.1480, 86.1960,
106.5993

Harmonies

Analogous

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



58.2152, 66.8753, 21.0310



47.4586, 66.8753, 29.8089



41.5881, 66.8753, 51.8559

Triad

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



47.4586, 66.8753, 29.8089



55.7467, 66.8753, 171.1766



93.0836, 66.8753, 58.1601

Complementary

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



47.4586, 66.8753, 29.8089



44.4077, 32.0975, 80.2025

Split Complementary

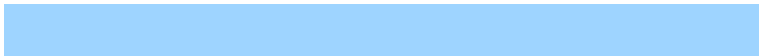
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1691, 66.8753, 98.7767



47.4586, 66.8753, 29.8089



69.2286, 66.8753, 174.8046

Square

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



47.4586, 66.8753, 29.8089



45.8766, 66.8753, 136.1617



82.9516, 66.8753, 144.7877



85.2948, 66.8753, 32.9848

Rectangle

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



47.4586, 66.8753, 29.8089



40.6349, 66.8753, 75.5166



82.9516, 66.8753, 144.7877



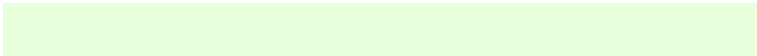
93.8117, 66.8753, 70.1803

Sweetspot

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



47.4602, 66.8782, 29.8104



81.7489, 93.7465, 81.0114



56.3975, 57.4681, 27.5230



17.0978, 19.8771, 16.5235



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.



47.4602, 66.8782, 29.8104



53.9943, 80.5643, 28.8490



42.1275, 64.0009, 35.3531



14.6569, 16.3302, 15.2840



17.9891, 33.0552, 5.4322



1.4265, 2.4928, 0.4060

Inverse Universe

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



44.4077, 32.0975, 80.2025



49.7467, 32.6189, 98.2819



53.0031, 36.7801, 69.2407



14.4860, 14.3528, 18.1512



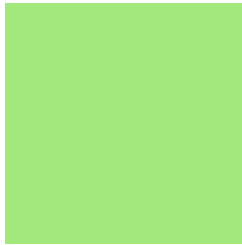
15.3929, 7.0012, 42.9232



1.2365, 0.5684, 3.1765

Previews

White Background



This preview shows how the XYZ color 47.4586, 66.8753, 29.8089 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 47.4586, 66.8753, 29.8089 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 47.4586, 66.8753, 29.8089

Background



This preview shows how black text looks on a background with the XYZ color 47.4586, 66.8753, 29.8089.



This preview shows how white text looks on a background with the XYZ color 47.4586, 66.8753,

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

47.4586, 66.8753, 29.8089

Protanopia

60.9959, 66.3889, 26.7391

Deuteranopia

67.3482, 66.2519, 32.9052



Tritanopia

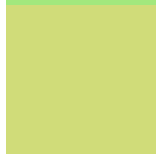
59.4400, 66.4808, 89.8200

Trichromacy



Original Color

47.4586, 66.8753, 29.8089



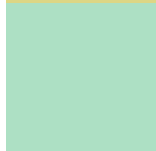
Protanomaly

55.0568, 65.9768, 27.9221



Deuteranomaly

58.0990, 65.1587, 31.7051



Tritanomaly

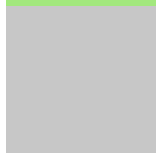
53.8530, 66.1811, 62.1604

Monochromacy



Original Color

47.4586, 66.8753, 29.8089



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.9904, 60.0062, 47.9246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4586, 66.8753, 29.8089 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(162, 232, 125)` looks like.

```
.text, #text, p{  
    color:rgb(162, 232, 125)  
}
```

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(162, 232, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 232, 125) }
```

Border

The CSS property to change the border of an element to XYZ 47.4586, 66.8753, 29.8089 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(162, 232, 125) }
```


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

```
.border{ border-color:rgb(162, 232, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 232, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 232, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 232, 125);  
box-shadow:4px 4px 4px 4px rgb(162, 232,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4586, 66.8753, 29.8089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 232, 125) }
```

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

```
.background{ background-color: rgb(162,  
232, 125) }
```

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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