

Converting Colors

XYZ(47.2213, 64.3455, 29.7626)

Have a look what the booklet for
XYZ(47.2213, 64.3455, 29.7626)
contains.

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Color

**XYZ(47.1107, 64.2239,
29.6521)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E27E
RGB	168, 226, 126
RGB Percent	66%, 89%, 49%
CMY	0.3412, 0.1137, 0.5059
CMYK	0.26, 0.00, 0.44, 0.11
HSL	95°, 63%, 69%
HSV	95°, 44%, 89%
XYZ	47.1107, 64.2239, 29.6521
YIQ	197.2580, -2.4680, -43.3960

Conversions

Conversions Part 2

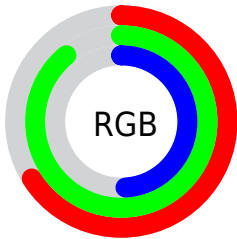
Format	Color
RYB	126, 226, 184
Decimal	11068030
CIELab	84.08, -35.69, 42.92
CIELCh	84, 55.820, 129.747
Yxy	64.2239, 0.3341, 0.4555
Android (android.graphics.Color)	4289258110 (0xFFA8E27E)
YUV	197.2580, -35.1302, -25.6593
Hunter-Lab	80.1398, -35.3123, 34.1603

Details

The XYZ color **47.1107, 64.2239, 29.6521** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **40.9583, 30.6049, 75.7037**, and the grayscale version is **53.4351, 56.2179, 61.2213**.

A 20% lighter version of the original color is **75.0496, 90.8228, 56.7550**, and **22.4208, 32.7546, 11.6191** is the 20% darker color. If you saturate the color by 10%, you get **43.1628, 62.3406, 22.6961**, and if you desaturate by 10%, it is **51.6726, 66.3896, 38.3590**.

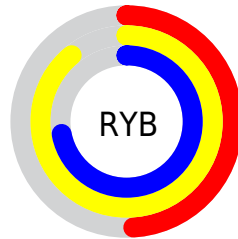
Distribution



Red (66%)

Green (89%)

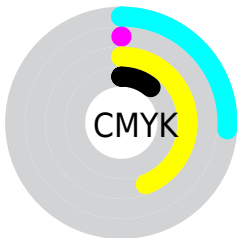
Blue (49%)



Red (49%)

Yellow (89%)

Blue (72%)

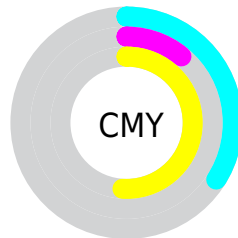


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (11%)



Cyan (34%)


Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1107, 64.2239, 29.6521 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 47.1107, 64.2239, 29.6521 by changing the saturation by 10% instead.


 47.1107, 64.2239,
29.6521


 47.1107, 64.2239,
29.6521


365.8978,
439.9977, 314.4361


 33.3315, 46.8320,
19.3249


 85.0966, 110.9333,
60.1660

 22.5410, 32.9029,
11.7261


 110.0340,
141.0197, 81.1898

 14.3737, 22.0521,
6.4372


 139.4214,
176.1063, 106.6162

 8.4645, 13.8952,
3.0396

173.6244,
216.5777, 136.8638

 4.4479, 8.0478,
1.1149

213.0081,
262.8181, 172.3510

 1.9585, 4.1255,
0.0000

257.9380,

 0.6105, 1.7440,

315.2120, 213.4964

0.0000

308.7794,
374.1437, 260.7186

0.0000, 0.4519,
0.0000

0.0000, 0.0000,
0.0000

47.1107, 64.2239,
29.6521

47.1107, 64.2239,
29.6521

43.1628, 62.3406,
22.6961

51.6726, 66.3896,
38.3590

39.7935, 60.7180,
17.3681


56.8721, 68.8417,
48.9203


36.9702, 59.3445,
13.5360


62.7370, 71.5943,
61.4362

34.6547, 58.2035,
11.0452

69.2923, 74.6581,
75.9988

 32.8016, 57.2759,
9.7073

 76.5611, 78.0433,
92.6940

 31.9081, 56.8237,
9.2863

 83.4837, 81.3268,
105.9053

 86.4877, 82.8754,
106.0459

Harmonies

Analogous

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



57.1185, 64.2239, 22.1026



47.1107, 64.2239, 29.6521



41.4014, 64.2239, 48.9690

Triad

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



47.1107, 64.2239, 29.6521



53.2020, 64.2239, 154.8739



87.5018, 64.2239, 59.0577

Complementary

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



47.1107, 64.2239, 29.6521



40.9583, 30.6049, 75.7037

Split Complementary

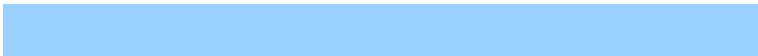
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0818, 64.2239, 96.1503



47.1107, 64.2239, 29.6521



65.1430, 64.2239, 160.4033

Square

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



47.1107, 64.2239, 29.6521



44.5760, 64.2239, 122.9145



77.4821, 64.2239, 136.1620



81.1350, 64.2239, 34.8934

Rectangle

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



47.1107, 64.2239, 29.6521



40.2809, 64.2239, 69.6294



77.4821, 64.2239, 136.1620



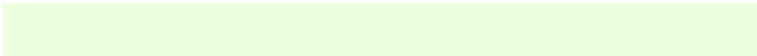
87.9371, 64.2239, 70.2293

Sweetspot

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



47.1123, 64.2267, 29.6535



83.4411, 94.5797, 82.8598



51.9973, 51.4072, 26.9216



17.4715, 20.0621, 16.8890



0.0000, 0.0000, 0.0000



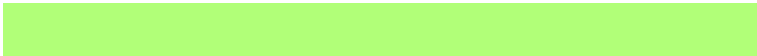
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1123, 64.2267, 29.6535



57.1835, 82.1736, 30.5688



40.0131, 60.5156, 31.6425



14.0716, 15.6171, 14.5795



18.3314, 32.4827, 5.3036



1.3711, 2.3033, 0.3723

Inverse Universe

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



40.9583, 30.6049, 75.7037



48.1009, 32.6555, 98.3757



51.6575, 36.2243, 71.5208



13.7098, 13.6339, 17.2967



13.3175, 5.9607, 41.4970



1.0245, 0.4655, 2.8811

Previews

White Background



This preview shows how the XYZ color 47.1107, 64.2239, 29.6521 looks on a white background.

Color Contrast Check

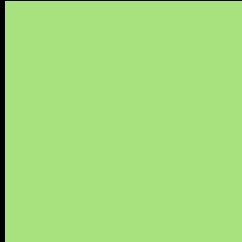
Large Text (above 18pt) WCAG AA × Fail

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 47.1107, 64.2239, 29.6521 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 47.1107, 64.2239, 29.6521

Background



This preview shows how black text looks on a background with the XYZ color 47.1107, 64.2239, 29.6521.

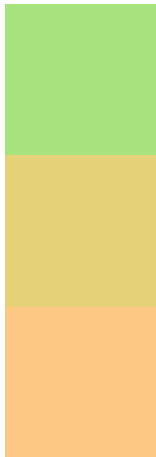


This preview shows how white text looks on a background with the XYZ color 47.1107, 64.2239,

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

47.1107, 64.2239, 29.6521

Protanopia

58.5037, 63.6150, 26.9647

Deuteranopia

64.9640, 63.6699, 30.6953



Tritanopia

58.2375, 64.0530, 84.8953

Trichromacy



Original Color

47.1107, 64.2239, 29.6521

Protanomaly

53.5454, 63.2714, 27.8028

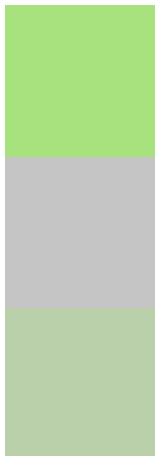
Deuteranomaly

56.6485, 62.5848, 30.2135

Tritanomaly

53.0571, 63.4580, 59.9043

Monochromacy



Original Color

47.1107, 64.2239, 29.6521

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.1563, 58.4911, 47.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1107, 64.2239, 29.6521 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(168, 226, 126)` looks like.

```
.text, #text, p{  
    color:rgb(168, 226, 126)  
}
```

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(168, 226, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 226, 126) }
```

Border

The CSS property to change the border of an element to XYZ 47.1107, 64.2239, 29.6521 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(168, 226, 126) }
```


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

```
.border{ border-color:rgb(168, 226, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 226, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 226, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 226, 126);  
box-shadow:4px 4px 4px 4px rgb(168, 226,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1107, 64.2239, 29.6521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 226, 126) }
```

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

```
.background{ background-color: rgb(168,  
226, 126) }
```

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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