

Converting Colors

XYZ(41.3173, 63.8512, 29.4374)

Have a look what the booklet for
XYZ(41.3173, 63.8512, 29.4374)
contains.

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Color

**XYZ(41.3107, 63.7059,
29.5212)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE87D
RGB	127, 232, 125
RGB Percent	50%, 91%, 49%
CMY	0.5020, 0.0902, 0.5098
CMYK	0.45, 0.00, 0.46, 0.09
HSL	119°, 70%, 70%
HSV	119°, 46%, 91%
XYZ	41.3107, 63.7059, 29.5212
YIQ	188.4070, -28.2330, -55.5370

Conversions

Conversions Part 2

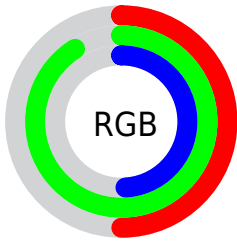
Format	Color
RYB	125, 232, 230
Decimal	8382589
CIELab	83.81, -51.48, 42.64
CIELCh	84, 66.851, 140.364
Yxy	63.7059, 0.3071, 0.4735
Android (android.graphics.Color)	4286572669 (0xFF7FE87D)
YUV	188.4070, -31.2597, -53.8539
Hunter-Lab	79.8160, -47.2909, 33.9418

Details

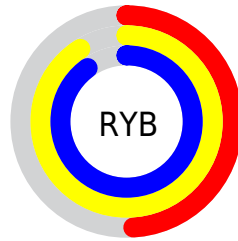
The XYZ color **41.3107, 63.7059, 29.5212** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.5352, 37.3185, 80.6761**, and the grayscale version is **48.2168, 50.7278, 55.2426**.

A 20% lighter version of the original color is **63.9043, 85.0890, 55.7035**, and **18.9165, 32.3699, 11.5544** is the 20% darker color. If you saturate the color by 10%, you get **36.9825, 61.6282, 22.4653**, and if you desaturate by 10%, it is **46.7544, 66.3224, 38.4387**.

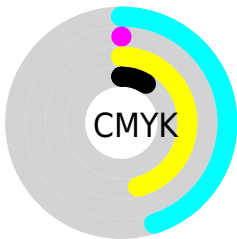
Distribution



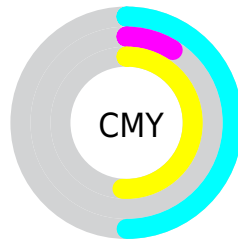
- Red (50%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)



- Cyan (50%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3107, 63.7059, 29.5212 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 41.3107, 63.7059, 29.5212 by changing the saturation by 10% instead.

41.3107, 63.7059,
29.5212

41.3107, 63.7059,
29.5212

342.6580,
438.1268, 313.8038

28.7507, 46.4125,
19.2265

76.4271, 110.1873,
59.9562

19.0356, 32.5715,
11.6556

99.7141, 140.1441,
80.9335

11.8002, 21.7984,
6.3899

127.3075,
175.0907, 106.3089

6.6790, 13.7088,
3.0110

159.5727,
215.4118, 136.5007

3.3067, 7.9184,
1.1003

196.8750,
261.4915, 171.9275

1.3180, 4.0428,
0.0000

239.5797,

0.1966, 1.6975,

313.7143, 213.0080

0.0000

288.0523,
372.4646, 260.1605

■ 0.0000, 0.4221,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.3107, 63.7059,
29.5212

■ 41.3107, 63.7059,
29.5212

■ 36.9825, 61.6282,
22.4653

■ 46.7544, 66.3224,
38.4387

■ 33.6882, 60.0445,
17.1356


■ 53.3781, 69.5028,
49.3323


■ 31.3430, 58.9161,
13.3851


■ 61.2475, 73.2804,
62.3119


■ 29.8465, 58.1950,
11.0406

■ 70.4215, 77.6837,
77.4786

 29.0756, 57.8223,
9.8868

 80.9558, 82.7390,
94.9265

 28.9121, 57.7437,
9.6218

 88.1479, 86.1957,
106.5993

Harmonies

Analogous

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



51.2498, 63.7059, 17.8292



41.3107, 63.7059, 29.5212



36.7681, 63.7059, 56.6947

Triad

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



41.3107, 63.7059, 29.5212



55.9477, 63.7059, 183.4807



91.0544, 63.7059, 44.8660

Complementary

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



41.3107, 63.7059, 29.5212



54.5352, 37.3185, 80.6761

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.



92.8591, 63.7059, 83.7948



41.3107, 63.7059, 29.5212



70.9135, 63.7059, 176.1000

Square

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



41.3107, 63.7059, 29.5212



44.2708, 63.7059, 152.1000



84.9928, 63.7059, 134.7653



80.3998, 63.7059, 23.8778

Rectangle

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



41.3107, 63.7059, 29.5212



36.8128, 63.7059, 84.9479



84.9928, 63.7059, 134.7653



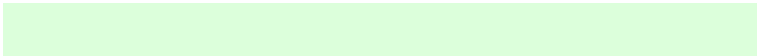
92.7762, 63.7059, 55.8146

Sweetspot

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



41.3123, 63.7086, 29.5226



78.0908, 91.8607, 80.8402



64.8460, 74.3652, 30.3392



16.2177, 19.4235, 16.4823



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.



41.3123, 63.7086, 29.5226



46.2260, 76.5596, 28.4855



45.0474, 65.1686, 50.7295



14.2141, 16.1019, 15.2633



16.0618, 32.0616, 5.3420



1.1957, 2.3738, 0.3952

Inverse Universe

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



54.5352, 37.3185, 80.6761



64.4352, 40.1912, 98.9693



49.0649, 35.2048, 48.5033



14.9671, 14.6008, 18.1737



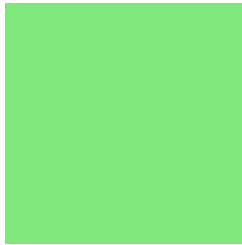
25.8028, 12.3677, 43.4104



1.9153, 0.9183, 3.2083

Previews

White Background



This preview shows how the XYZ color 41.3107, 63.7059, 29.5212 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 41.3107, 63.7059, 29.5212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

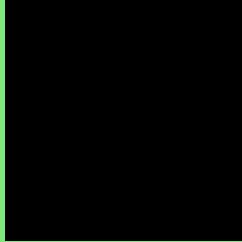
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

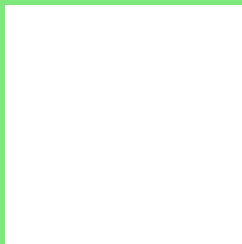
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3107, 63.7059, 29.5212

Background



This preview shows how black text looks on a background with the XYZ color 41.3107, 63.7059, 29.5212.



This preview shows how white text looks on a background with the XYZ color 41.3107, 63.7059,

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

41.3107, 63.7059, 29.5212

Protanopia

57.7032, 62.8667, 25.6162

Deuteranopia

63.8521, 62.4056, 30.8704



Tritanopia

53.1953, 63.2615, 89.5278

Trichromacy



Original Color

41.3107, 63.7059, 29.5212



Protanomaly

49.6285, 62.0340, 26.8108



Deuteranomaly

52.2527, 60.6840, 30.0783



Tritanomaly

47.7748, 63.0476, 61.8760

Monochromacy



Original Color

41.3107, 63.7059, 29.5212



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.1103, 54.0093, 43.6973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3107, 63.7059, 29.5212 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(127, 232, 125)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 232, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 232, 125) }
```

Border

The CSS property to change the border of an element to XYZ 41.3107, 63.7059, 29.5212 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(127, 232, 125) }
```


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

```
.border{ border-color:rgb(127, 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(127, 232, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 232, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 232, 125); box-shadow:4px 4px 4px 4px rgb(127, 232, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3107, 63.7059, 29.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 232, 125) }
```

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

```
.background{ background-color: rgb(127,  
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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