

Converting Colors

XYZ(41.8457, 65.4081, 29.6178)

Have a look what the booklet for
XYZ(41.8457, 65.4081, 29.6178)
contains.

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Color

**XYZ(41.6586, 65.1570,
29.4497)**

Conversions

Conversions Part 1

Format	Color
Hex	7CEB7C
RGB	124, 235, 124
RGB Percent	49%, 92%, 49%
CMY	0.5137, 0.0784, 0.5137
CMYK	0.47, 0.00, 0.47, 0.08
HSL	120°, 74%, 70%
HSV	120°, 47%, 92%
XYZ	41.6586, 65.1570, 29.4497
YIQ	189.1570, -30.5250, -58.0530

Conversions

Conversions Part 2

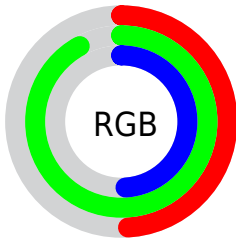
Format	Color
RYB	124, 235, 235
Decimal	8186748
CIELab	84.56, -53.66, 44.05
CIELCh	85, 69.426, 140.622
Yxy	65.1570, 0.3057, 0.4782
Android (android.graphics.Color)	4286376828 (0xFF7CEB7C)
YUV	189.1570, -32.1224, -57.1427
Hunter-Lab	80.7199, -49.1380, 34.8727

Details

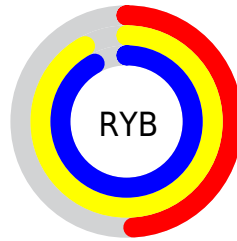
The XYZ color **41.6586, 65.1570, 29.4497** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.4659, 38.0767, 82.9725**, and the grayscale version is **48.6517, 51.1854, 55.7409**.

A 20% lighter version of the original color is **63.0873, 84.6794, 55.1392**, and **19.2044, 33.3987, 11.5653** is the 20% darker color. If you saturate the color by 10%, you get **37.3454, 63.0871, 22.3934**, and if you desaturate by 10%, it is **47.1384, 67.7912, 38.4117**.

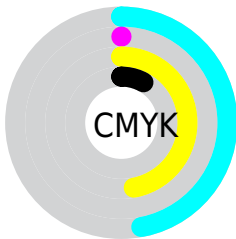
Distribution



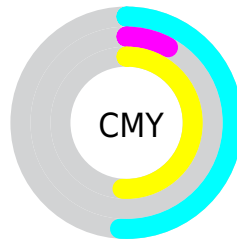
- Red (49%)
- Green (92%)
- Blue (49%)



- Red (49%)
- Yellow (92%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)



- Cyan (51%)
- Magenta (8%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6586, 65.1570, 29.4497 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 41.6586, 65.1570, 29.4497 by changing the saturation by 10% instead.

41.6586, 65.1570,
29.4497

41.6586, 65.1570,
29.4497

344.0815,
443.3559, 313.4580

29.0240, 47.5884,
19.1728

76.9511, 112.2755,
59.8415

19.2434, 33.5010,
11.6171

100.3397,
142.5943, 80.7934

11.9513, 22.5106,
6.3642

128.0436,
177.9318, 106.1408

6.7825, 14.2325,
2.9954

160.4283,
218.6726, 136.3022

3.3716, 8.2826,
1.0923

197.8591,
265.2010, 171.6960

1.3532, 4.2763,
0.0000

240.7013,

0.2225, 1.8293,

317.9015, 212.7409

0.0000

289.3203,
377.1583, 259.8554

■ 0.0000, 0.5053,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6586, 65.1570,
29.4497

■ 41.6586, 65.1570,
29.4497

■ 37.3454, 63.0871,
22.3934

■ 47.1384, 67.7912,
38.4117

■ 34.1099, 61.5329,
17.1010


■ 53.8556, 71.0178,
49.3989


■ 31.8585, 60.4515,
13.4183


■ 61.8811, 74.8729,
62.5260


■ 30.4794, 59.7890,
11.1625

■ 71.2791, 79.3872,
77.8981

 29.8266, 59.4755,
10.0946

 82.1097, 84.5897,
95.6133

 29.7097, 59.4193,
9.9034

 88.9996, 87.8993,
106.8832

Harmonies

Analogous

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



52.0295, 65.1570, 17.3411



41.6586, 65.1570, 29.4497



36.9658, 65.1570, 57.9449

Triad

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



41.6586, 65.1570, 29.4497



57.2065, 65.1570, 192.6184



94.1631, 65.1570, 44.9637

Complementary

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



41.6586, 65.1570, 29.4497



56.4659, 38.0767, 82.9725

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.



96.1726, 65.1570, 85.7570



41.6586, 65.1570, 29.4497



73.0125, 65.1570, 184.3294

Square

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



41.6586, 65.1570, 29.4497



44.9045, 65.1570, 159.3108



87.8962, 65.1570, 139.9096



82.7917, 65.1570, 23.3560

Rectangle

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



41.6586, 65.1570, 29.4497



37.0454, 65.1570, 87.8417



87.8962, 65.1570, 139.9096



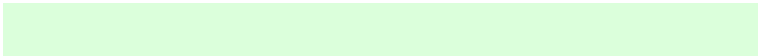
96.0222, 65.1570, 56.3670

Sweetspot

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



41.6602, 65.1597, 29.4512



77.8896, 91.7570, 80.8312



67.6102, 78.5375, 30.6649



16.1696, 19.3987, 16.4802



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.



41.6602, 65.1597, 29.4512



44.9425, 75.9308, 26.9404



46.2096, 66.9795, 53.4077



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



56.4659, 38.0767, 82.9725



64.8278, 39.5563, 98.8236



49.6578, 35.3535, 47.1215



15.7149, 15.3138, 19.0498



27.4130, 13.1679, 44.8378



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 41.6586, 65.1570, 29.4497 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 41.6586, 65.1570, 29.4497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

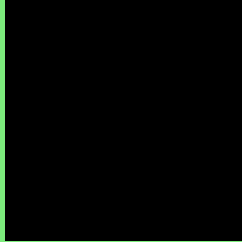
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

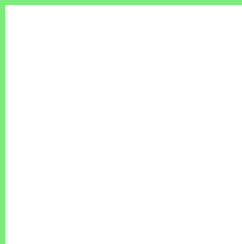
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6586, 65.1570, 29.4497

Background



This preview shows how black text looks on a background with the XYZ color 41.6586, 65.1570, 29.4497.

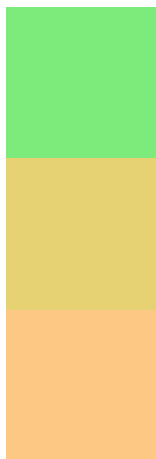


This preview shows how white text looks on a background with the XYZ color 41.6586, 65.1570,

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

41.6586, 65.1570, 29.4497

Protanopia

59.0961, 64.3199, 25.5199

Deuteranopia

65.3271, 63.8571, 30.7123



Tritanopia

54.0622, 64.8297, 92.1021

Trichromacy



Original Color

41.6586, 65.1570, 29.4497



Protanomaly

50.3398, 63.1775, 26.6808



Deuteranomaly

53.2103, 62.2953, 29.9886



Tritanomaly

48.3096, 64.5044, 63.3305

Monochromacy



Original Color

41.6586, 65.1570, 29.4497



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.3799, 54.8586, 43.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6586, 65.1570, 29.4497 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(124, 235, 124)` looks like.

```
.text, #text, p{  
    color:rgb(124, 235, 124)  
}
```

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(124, 235, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 235, 124) }
```

Border

The CSS property to change the border of an element to XYZ 41.6586, 65.1570, 29.4497 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(124, 235, 124) }
```


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

```
.border{ border-color:rgb(124, 235, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 235, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 235, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 235, 124);  
box-shadow:4px 4px 4px 4px rgb(124, 235,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6586, 65.1570, 29.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 235, 124) }
```

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

```
.background{ background-color: rgb(124,  
235, 124) }
```

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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