

# Converting Colors

XYZ(47.1302, 58.6562, 35.6270)

Have a look what the booklet for  
XYZ(47.1302, 58.6562, 35.6270)  
contains.

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# Color

**XYZ(47.2447, 58.7150,  
35.6311)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3D491
RGB	179, 212, 145
RGB Percent	70%, 83%, 57%
CMY	0.2980, 0.1686, 0.4314
CMYK	0.16, 0.00, 0.32, 0.17
HSL	90°, 44%, 70%
HSV	90°, 32%, 83%
XYZ	47.2447, 58.7150, 35.6311
YIQ	194.4950, 1.8390, -27.8330

# Conversions

## Conversions Part 2

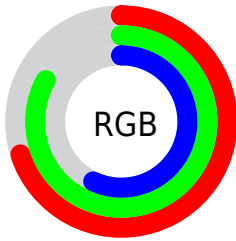
Format	Color
<a href="#">RYB</a>	<a href="#">145, 212, 178</a>
Decimal	<a href="#">11785361</a>
CIELab	<a href="#">81.13, -22.61, 29.65</a>
CIELCh	<a href="#">81, 37.289, 127.328</a>
Yxy	<a href="#">58.7150, 0.3337, 0.4147</a>
Android (android.graphics.Color)	<a href="#">4289975441 (0xFFB3D491)</a>
YUV	<a href="#">194.4950, -24.4010, -13.5891</a>
Hunter-Lab	<a href="#">76.6257, -24.0382, 26.0680</a>

# Details

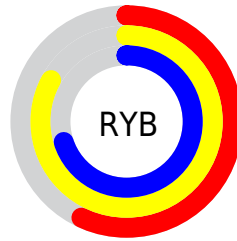
The XYZ color **47.2447, 58.7150, 35.6311** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3716, 34.4709, 66.8163**, and the grayscale version is **51.7124, 54.4054, 59.2475**.

A 20% lighter version of the original color is **80.3298, 93.3057, 67.8088**, and **22.5348, 29.2821, 15.0540** is the 20% darker color. If you saturate the color by 10%, you get **43.4376, 56.9258, 27.7014**, and if you desaturate by 10%, it is **51.5427, 60.7256, 45.1785**.

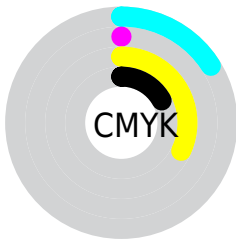
# Distribution



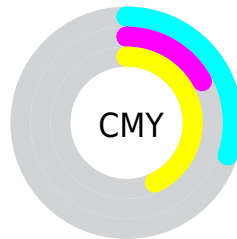
- Red (70%)
- Green (83%)
- Blue (57%)



- Red (57%)
- Yellow (83%)
- Blue (70%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (17%)



- Cyan (30%)
- Magenta (17%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2447, 58.7150, 35.6311 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 47.2447, 58.7150, 35.6311 by changing the saturation by 10% instead.





 47.2447, 58.7150,  
35.6311


 47.2447, 58.7150,  
35.6311


366.4230,  
419.8449, 342.3338

 33.4379, 42.3837,  
23.8620


 85.2953, 102.9633,  
69.6249

 22.6230, 29.4019,  
15.0200

 110.2698,  
131.6492, 92.6867

 14.4345, 19.3851,  
8.6867


139.6976,  
165.2220, 120.3498

 8.5072, 11.9488,  
4.4434

173.9440,  
204.0663, 153.0327

 4.4757, 6.7088,  
1.8716

213.3744,  
248.5663, 191.1541

 1.9746, 3.2807,  
0.4746

258.3541,

 0.6196, 1.2800,

299.1065, 235.1323

0.0000

309.2485,  
356.0712, 285.3860

■ 0.0000, 0.1256,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.2447, 58.7150,  
35.6311

■ 47.2447, 58.7150,  
35.6311

■ 43.4376, 56.9258,  
27.7014

■ 51.5427, 60.7256,  
45.1785

■ 40.0960, 55.3414,  
21.2959

■ 56.3467, 62.9583,  
56.4226

■ 37.1984, 53.9548,  
16.3173

■ 61.6765, 65.4233,  
69.4418

■ 34.7196, 52.7555,  
12.6557

■ 67.5497, 68.1280,  
84.3084

■ 32.6314, 51.7315,  
10.1847

■ 73.9826, 71.0795,  
101.0909

■ 30.9003, 50.8689,  
8.7538

■ 78.0955, 73.1263,  
104.6064

■ 29.6775, 50.2510,  
8.1352

■ 81.7763, 75.0238,  
104.7787

■ 82.8347, 75.5694,  
104.8282

# Harmonies

## Analogous

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



53.9264, 58.7150, 30.2409



47.2447, 58.7150, 35.6311



43.1479, 58.7150, 48.8428

# Triad

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



47.2447, 58.7150, 35.6311



50.2545, 58.7150, 111.9844



71.9408, 58.7150, 58.6369

# Complementary

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



47.2447, 58.7150, 35.6311



40.3716, 34.4709, 66.8163

# 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.



70.7272, 58.7150, 81.8439



47.2447, 58.7150, 35.6311



57.7305, 58.7150, 116.3274

# Square

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



47.2447, 58.7150, 35.6311



44.7700, 58.7150, 93.4788



65.3456, 58.7150, 104.2543



68.5231, 58.7150, 41.3748



# Rectangle

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



47.2447, 58.7150, 35.6311



42.1980, 58.7150, 61.9607



65.3456, 58.7150, 104.2543



72.0659, 58.7150, 65.9420

# Sweetspot

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



47.2462, 58.7176, 35.6324



87.5351, 96.5277, 90.3993



48.0624, 47.6395, 33.4511



18.4896, 20.5467, 18.7548



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

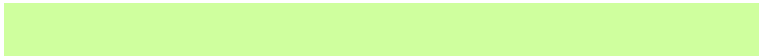


# Same Dimension

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



47.2462, 58.7176, 35.6324



67.7474, 87.2962, 45.6721



40.5309, 55.2557, 35.3181



12.8571, 14.2025, 13.2244



18.4364, 31.0806, 5.0275



1.2075, 1.9238, 0.3077



# Inverse Universe

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



40.3716, 34.4709, 66.8163



55.7007, 44.8055, 100.3203



48.8419, 38.8375, 67.2127



12.3193, 12.3060, 15.6635



11.0067, 4.8267, 38.8047

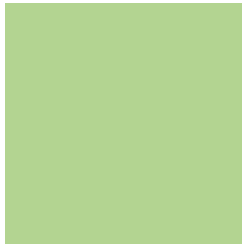


0.7593, 0.3403, 2.3450



# Previews

## White Background



This preview shows how the XYZ color 47.2447, 58.7150, 35.6311 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 47.2447, 58.7150, 35.6311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

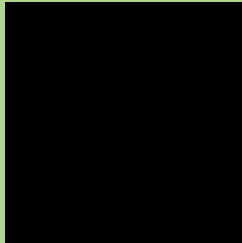
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2447, 58.7150, 35.6311**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2447, 58.7150, 35.6311.



This preview shows how white text looks on a background with the XYZ color 47.2447, 58.7150,



# 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

47.2447, 58.7150, 35.6311

### Protanopia

54.2355, 58.4185, 33.2283

### Deuteranopia

59.4198, 58.3144, 36.5578



## Tritanopia

55.3773, 58.7735, 75.4436

# Trichromacy



**Original Color**

47.2447, 58.7150, 35.6311

**Protanomaly**

51.3424, 58.3121, 34.1405

**Deuteranomaly**

54.3185, 58.0456, 36.3580

**Tritanomaly**

51.8354, 58.3875, 58.4071

# Monochromacy



**Original Color**

47.2447, 58.7150, 35.6311

**Achromatopsia**

51.2775, 53.9479, 58.7493

**Achromatomaly**

49.7094, 55.7267, 49.2107

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2447, 58.7150, 35.6311 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(179, 212, 145)` looks like.

```
.text, #text, p{  
    color:rgb(179, 212, 145)  
}
```

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(179, 212, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 212, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2447, 58.7150, 35.6311 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(179, 212, 145) }
```



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

```
.border{ border-color:rgb(179, 212, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 212, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 212, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 212, 145); box-shadow:4px 4px 4px 4px rgb(179, 212, 145) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2447, 58.7150, 35.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 212, 145) }
```

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

```
.background{ background-color: rgb(179,  
212, 145) }
```

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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