

# Converting Colors

XYZ(47.1135, 56.6457, 35.9120)

Have a look what the booklet for  
XYZ(47.1135, 56.6457, 35.9120)  
contains.

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# Color

**XYZ(47.3464, 56.9226,  
36.0955)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B8CF93
RGB	184, 207, 147
RGB Percent	72%, 81%, 58%
CMY	0.2784, 0.1882, 0.4235
CMYK	0.11, 0.00, 0.29, 0.19
HSL	83°, 38%, 69%
HSV	83°, 29%, 81%
XYZ	47.3464, 56.9226, 36.0955
YIQ	193.2830, 5.5520, -23.5360

# Conversions

## Conversions Part 2

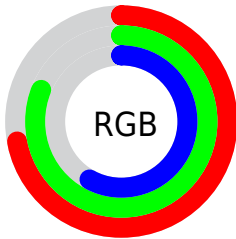
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 207, 170
Decimal	12111763
CIELab	80.14, -18.02, 27.33
CIElCh	80, 32.740, 123.400
Yxy	56.9226, 0.3373, 0.4055
Android (android.graphics.Color)	4290301843 (0xFFB8CF93)
YUV	193.2830, -22.8175, -8.1412
Hunter-Lab	75.4471, -20.0157, 24.4473

# Details

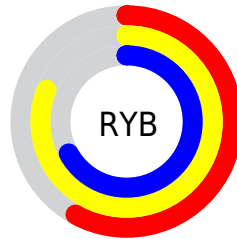
The XYZ color **47.3464, 56.9226, 36.0955** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2762, 33.9201, 63.5646**, and the grayscale version is **50.9841, 53.6393, 58.4132**.

A 20% lighter version of the original color is **82.5782, 94.4378, 69.1343**, and **22.7085, 28.3728, 15.3460** is the 20% darker color. If you saturate the color by 10%, you get **44.0183, 55.3798, 28.2102**, and if you desaturate by 10%, it is **51.0764, 58.6424, 45.5277**.

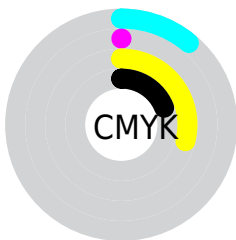
# Distribution



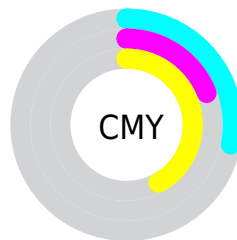
- Red (72%)
- Green (81%)
- Blue (58%)



- Red (58%)
- Yellow (81%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)



- Cyan (28%)
- Magenta (19%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3464, 56.9226, 36.0955 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 47.3464, 56.9226, 36.0955 by changing the saturation by 10% instead.



■ 47.3464, 56.9226,  
36.0955

■ 47.3464, 56.9226,  
36.0955

366.8214,  
413.1592, 344.4278

■ 33.5187, 40.9431,  
24.2177

■ 85.4461, 100.3522,  
70.3501

■ 22.6852, 28.2746,  
15.2815

■ 110.4487,  
128.5712, 93.5641

■ 14.4807, 18.5328,  
8.8684

139.9070,  
161.6387, 121.3937

■ 8.5397, 11.3332,  
4.5598

174.1864,  
199.9392, 154.2578

■ 4.4968, 6.2914,  
1.9372

213.6522,  
243.8572, 192.5746

■ 1.9869, 3.0231,  
0.5162

258.6697,

■ 0.6266, 1.1438,

293.7769, 236.7629

0.0000

309.6043,  
350.0828, 287.2411

■ 0.0000, 0.0151,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.3464, 56.9226,  
36.0955

■ 47.3464, 56.9226,  
36.0955

■ 44.0183, 55.3798,  
28.2102

■ 51.0764, 58.6424,  
45.5277

■ 41.0704, 53.9992,  
21.7854

■ 55.2202, 60.5382,  
56.5797

■ 38.4852, 52.7756,  
16.7319

■ 59.7944, 62.6190,  
69.3240

■ 36.2417, 51.7005,  
12.9494

■ 64.8134, 64.8905,  
83.8278

■ 34.3165, 50.7641,  
10.3236

■ 70.2908, 67.3585,  
100.1546

■ 32.6821, 49.9554,  
8.7199

■ 73.5192, 68.9402,  
104.0396

■ 31.2947, 49.2565,  
7.9183

■ 76.1485, 70.2956,  
104.1627

■ 31.1621, 49.1894,  
7.8521

■ 78.8955, 71.7118,  
104.2913

■ 81.6040, 73.1081,  
104.4180

# Harmonies

## Analogous

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



53.3463, 56.9226, 32.0702



47.3464, 56.9226, 36.0955



43.4275, 56.9226, 46.9455

# Triad

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



47.3464, 56.9226, 36.0955



48.5618, 56.9226, 100.9606



67.9410, 56.9226, 59.8264

# Complementary

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



47.3464, 56.9226, 36.0955



38.2762, 33.9201, 63.5646

# 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.



66.3991, 56.9226, 79.9216



47.3464, 56.9226, 36.0955



54.8673, 56.9226, 106.3461

# Square

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



47.3464, 56.9226, 36.0955



44.0877, 56.9226, 84.4747



61.4741, 56.9226, 97.9751



65.5312, 56.9226, 43.8801



# Rectangle

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



47.3464, 56.9226, 36.0955



42.3378, 56.9226, 57.8527



61.4741, 56.9226, 97.9751



67.8684, 56.9226, 66.2971

# Sweetspot

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



47.3479, 56.9251, 36.0967



88.4092, 96.9783, 90.4402



45.3755, 44.1234, 33.7297



18.7050, 20.6578, 18.7648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

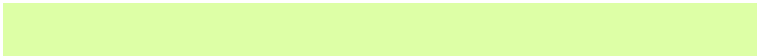


# Same Dimension

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



47.3479, 56.9251, 36.0967



72.3725, 89.6020, 49.4367



40.9075, 53.6050, 35.7953



12.3461, 13.5619, 12.5790



19.7409, 31.0458, 4.9520



1.1908, 1.7808, 0.2810



# Inverse Universe

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



38.2762, 33.9201, 63.5646



55.4517, 46.6766, 100.6946



45.5178, 37.6533, 63.9035



11.5861, 11.6354, 14.8789



9.2446, 3.9460, 37.4669



0.6044, 0.2657, 2.0990



# Previews

## White Background



This preview shows how the XYZ color 47.3464, 56.9226, 36.0955 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 47.3464, 56.9226, 36.0955 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 47.3464, 56.9226, 36.0955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3464, 56.9226, 36.0955.



This preview shows how white text looks on a background with the XYZ color 47.3464, 56.9226,



# 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

47.3464, 56.9226, 36.0955

### Protanopia

52.5926, 56.5175, 34.1236

### Deuteranopia

57.6036, 56.3849, 37.1255



## Tritanopia

54.3240, 56.5807, 71.6763

# Trichromacy



## Original Color

47.3464, 56.9226, 36.0955

## Protanomaly

50.2778, 56.3435, 34.6110

## Deuteranomaly

53.2693, 56.1289, 36.8805

## Tritanomaly

51.4161, 56.4381, 56.8989

# Monochromacy



## Original Color

47.3464, 56.9226, 36.0955

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.2658, 54.4699, 48.9915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3464, 56.9226, 36.0955 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(184, 207, 147)` looks like.

```
.text, #text, p{  
    color:rgb(184, 207, 147)  
}
```

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(184, 207, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 207, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3464, 56.9226, 36.0955 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(184, 207, 147) }
```



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

```
.border{ border-color:rgb(184, 207, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 207, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 207, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 207, 147);  
box-shadow:4px 4px 4px 4px rgb(184, 207,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3464, 56.9226, 36.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 207, 147) }
```

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

```
.background{ background-color: rgb(184,  
207, 147) }
```

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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