

Converting Colors

XYZ(47.0538, 60.8473, 17.4981)

Have a look what the booklet for
XYZ(47.0538, 60.8473, 17.4981)
contains.

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Color

**XYZ(47.1132, 60.9416,
17.4634)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD953
RGB	188, 217, 83
RGB Percent	74%, 85%, 33%
CMY	0.2627, 0.1490, 0.6745
CMYK	0.13, 0.00, 0.62, 0.15
HSL	73°, 64%, 59%
HSV	73°, 62%, 85%
XYZ	47.1132, 60.9416, 17.4634
YIQ	193.0530, 25.7300, -47.8220

Conversions

Conversions Part 2

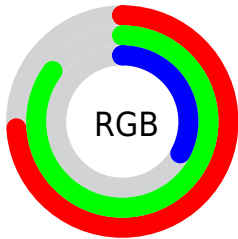
Format	Color
RYB	83, 217, 112
Decimal	12376403
CIELab	82.35, -28.21, 60.90
CIELCh	82, 67.115, 114.851
Yxy	60.9416, 0.3753, 0.4855
Android (android.graphics.Color)	4290566483 (0xFFBCD953)
YUV	193.0530, -54.2561, -4.4315
Hunter-Lab	78.0651, -28.8871, 41.3822

Details

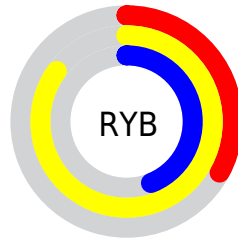
The XYZ color **47.1132, 60.9416, 17.4634** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **22.3020, 14.6426, 67.3001**, and the grayscale version is **51.0196, 53.6766, 58.4539**.

A 20% lighter version of the original color is **78.7052, 93.1291, 37.8723**, and **22.5907, 30.8081, 5.5665** is the 20% darker color. If you saturate the color by 10%, you get **45.2651, 60.0730, 13.6674**, and if you desaturate by 10%, it is **49.2640, 61.9400, 22.6443**.

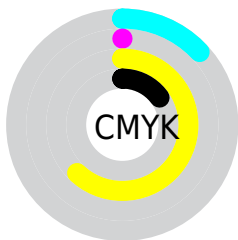
Distribution



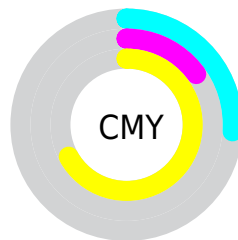
- Red (74%)
- Green (85%)
- Blue (33%)



- Red (33%)
- Yellow (85%)
- Blue (44%)



- Cyan (13%)
- Magenta (0%)
- Yellow (62%)
- Black (15%)



- Cyan (26%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1132, 60.9416, 17.4634 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 47.1132, 60.9416, 17.4634 by changing the saturation by 10% instead.

■ 47.1132, 60.9416,
17.4634

■ 47.1132, 60.9416,
17.4634

365.9076,
428.0598, 249.9626

■ 33.3335, 44.1780,
10.4000

■ 85.1003, 106.1944,
39.9223

■ 22.5425, 30.8105,
5.5559

■ 110.0384,
135.4524, 56.1549

■ 14.3749, 20.4546,
2.5126

■ 139.4266,
169.6440, 76.2810

■ 8.4653, 12.7259,
0.8468

■ 173.6303,
209.1536, 100.7191

■ 4.4484, 7.2401,
0.0000

213.0149,
254.3656, 129.8878

■ 1.9588, 3.6127,
0.0000

257.9458,

■ 0.6107, 1.4594,

305.6643, 164.2056

0.0000

308.7882,
363.4343, 204.0910

■ 0.0000, 0.2599,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1132, 60.9416,
17.4634

■ 47.1132, 60.9416,
17.4634

■ 45.2651, 60.0730,
13.6674

■ 49.2640, 61.9400,
22.6443

■ 43.6897, 59.3157,
11.1186

■ 51.7356, 63.0689,
29.3228

■ 42.3576, 58.6599,
9.6581

■ 54.5497, 64.3392,
37.6045

■ 41.3988, 58.1781,
9.0476

■ 57.7247, 65.7584,
47.5844

■ 61.2775, 67.3332,
59.3501

■ 65.2239, 69.0699,
72.9830

■ 69.5787, 70.9747,
88.5598

■ 74.0960, 72.9490,
104.7830

■ 75.5857, 73.7170,
104.8527

Harmonies

Analogous

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



60.4273, 60.9416, 14.7515



47.1132, 60.9416, 17.4634



38.2143, 60.9416, 30.5457

Triad

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



47.1132, 60.9416, 17.4634



43.4844, 60.9416, 153.8794



89.8717, 60.9416, 73.6800

Complementary

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



47.1132, 60.9416, 17.4634



22.3020, 14.6426, 67.3001

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.



83.4562, 60.9416, 122.8366



47.1132, 60.9416, 17.4634



55.4891, 60.9416, 179.8290

Square

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



47.1132, 60.9416, 17.4634



36.3736, 60.9416, 105.2820



70.2718, 60.9416, 166.6030



86.6456, 60.9416, 38.4445

Rectangle

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



47.1132, 60.9416, 17.4634



35.2190, 60.9416, 47.8211



70.2718, 60.9416, 166.6030



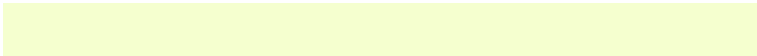
88.7439, 60.9416, 89.1484

Sweetspot

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



47.1146, 60.9443, 17.4647



84.4539, 95.3279, 72.6924



35.7332, 26.4868, 11.4136



17.7735, 20.2693, 14.5743



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.



47.1146, 60.9443, 17.4647



64.5288, 86.2362, 18.4450



34.5734, 54.4791, 16.8778



13.8720, 15.1143, 13.9118



25.1520, 35.2638, 5.4809



1.6994, 2.3206, 0.3584

Inverse Universe

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



22.3020, 14.6426, 67.3001



26.0967, 14.2864, 95.9898



33.7057, 20.5214, 67.8338



12.6009, 12.7524, 16.4495



8.3639, 3.4359, 39.9608



0.6155, 0.2606, 2.5923

Previews

White Background



This preview shows how the XYZ color 47.1132, 60.9416, 17.4634 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 47.1132, 60.9416, 17.4634 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 47.1132, 60.9416, 17.4634

Background



This preview shows how black text looks on a background with the XYZ color 47.1132, 60.9416, 17.4634.



This preview shows how white text looks on a background with the XYZ color 47.1132, 60.9416,

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

47.1132, 60.9416, 17.4634

Protanopia

55.2375, 60.7211, 16.2062

Deuteranopia

61.6453, 60.2044, 18.0444



Tritanopia

58.7707, 60.5229, 75.6024

Trichromacy



Original Color

47.1132, 60.9416, 17.4634

Protanomaly

51.6890, 60.3262, 16.5092

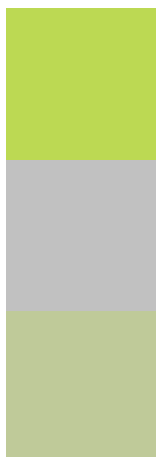
Deuteranomaly

55.1539, 59.5872, 17.6114

Tritanomaly

53.1003, 60.0198, 46.8165

Monochromacy



Original Color

47.1132, 60.9416, 17.4634

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.3562, 55.6173, 38.3236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1132, 60.9416, 17.4634 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(188, 217, 83)` looks like.

```
.text, #text, p{  
    color:rgb(188, 217, 83)  
}
```

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(188, 217, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 217, 83) }
```

Border

The CSS property to change the border of an element to XYZ 47.1132, 60.9416, 17.4634 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(188, 217, 83) }
```


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

```
.border{ border-color:rgb(188, 217, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 217, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 217, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 217, 83);  
box-shadow:4px 4px 4px 4px rgb(188, 217,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1132, 60.9416, 17.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 217, 83) }
```

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

```
.background{ background-color: rgb(188,  
217, 83) }
```

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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