

Converting Colors

XYZ(47.3816, 67.2442, 11.3463)

Have a look what the booklet for
XYZ(47.3816, 67.2442, 11.3463)
contains.

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Color

**XYZ(47.3816, 67.2442,
11.3463)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E818
RGB	178, 232, 24
RGB Percent	70%, 91%, 9%
CMY	0.3020, 0.0902, 0.9058
CMYK	0.23, 0.00, 0.90, 0.09
HSL	76°, 82%, 50%
HSV	76°, 90%, 91%
XYZ	47.3816, 67.2442, 11.3463
YIQ	192.1420, 34.5840, -76.1360

Conversions

Conversions Part 2

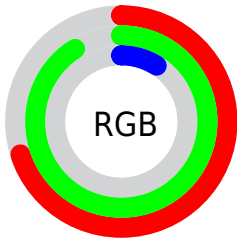
Format	Color
R_{YB}	24, 232, 78
Decimal	11724824
CIE _{Lab}	85.63, -41.59, 81.10
CIE _{LCh}	86, 91.147, 117.150
Yxy	67.2442, 0.3761, 0.5338
Android (android.graphics.Color)	4289914904 (0xFFB2E818)
YUV	192.1420, -82.8940, -12.4025
Hunter-Lab	82.0026, -40.3660, 49.1981

Details

The XYZ color **47.3816, 67.2442, 11.3463** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **18.0370, 8.1011, 76.9610**, and the grayscale version is **50.6438, 53.2812, 58.0232**.

A 20% lighter version of the original color is **73.1776, 90.5602, 24.9323**, and **23.1331, 34.9726, 5.5311** is the 20% darker color. If you saturate the color by 10%, you get **45.8704, 66.4859, 10.4389**, and if you desaturate by 10%, it is **49.1484, 68.1165, 13.2698**.

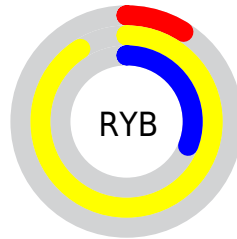
Distribution



Red (70%)

Green (91%)

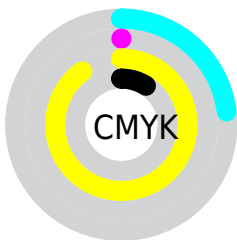
Blue (9%)



Red (9%)

Yellow (91%)

Blue (31%)

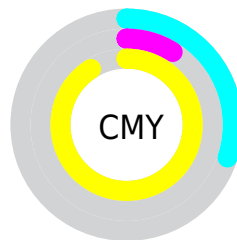


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (30%)

Magenta (9%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3816, 67.2442, 11.3463 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 47.3816, 67.2442, 11.3463 by changing the saturation by 10% instead.

■ 47.3816, 67.2442,
11.3463

■ 47.3816, 67.2442,
11.3463

366.9592,
450.8135, 210.8502

■ 33.5466, 49.2831,
6.1832

■ 85.4982, 115.2703,
28.9452

■ 22.7068, 34.8441,
2.8862

■ 110.5106,
146.1040, 42.2180

■ 14.4966, 23.5428,
1.0368

■ 139.9795,
181.9974, 59.0311

■ 8.5509, 14.9948,
0.0000

■ 174.2703,
223.3349, 79.8030

■ 4.5042, 8.8158,
0.0000

■ 213.7483,
270.5009, 104.9524

■ 1.9911, 4.6212,
0.0000

■ 258.7789,

■ 0.6290, 2.0268,

323.8797, 134.8977

0.0000

309.7274,
383.8558, 170.0574

0.0000, 0.6230,
0.0000

0.0000, 0.0000,
0.0000

47.3816, 67.2442,
11.3463

47.3816, 67.2442,
11.3463

45.8704, 66.4859,
10.4389

49.1484, 68.1165,
13.2698

45.8195, 66.4602,
10.4132

51.2240, 69.1171,
16.5049

53.6451, 70.2630,
21.2349

56.4416, 71.5664,
27.6128

■ 59.6395, 73.0377,
35.7729

■ 63.2626, 74.6865,
45.8355

■ 67.3322, 76.5214,
57.9105

■ 71.8685, 78.5506,
72.0995

■ 76.8900, 80.7815,
88.4972

Harmonies

Analogous

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



65.9176, 67.2442, 8.1203



47.3816, 67.2442, 11.3463



35.9141, 67.2442, 27.0821

Triad

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



47.3816, 67.2442, 11.3463



44.6230, 67.2442, 217.2670



112.6154, 67.2442, 79.0459

Complementary

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



47.3816, 67.2442, 11.3463



18.0370, 8.1011, 76.9610

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.



103.6309, 67.2442, 154.3298



47.3816, 67.2442, 11.3463



61.9507, 67.2442, 256.8952

Square

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



47.3816, 67.2442, 11.3463



34.5804, 67.2442, 138.7143



83.9029, 67.2442, 229.2090



106.3924, 67.2442, 32.4746

Rectangle

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



47.3816, 67.2442, 11.3463



32.3735, 67.2442, 50.6332



83.9029, 67.2442, 229.2090



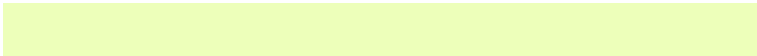
111.2355, 67.2442, 101.6811

Sweetspot

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



47.3831, 67.2472, 11.3477



79.6049, 93.0972, 60.3120



36.0309, 22.3935, 3.2884



16.6857, 19.7668, 11.8886



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.



47.3831, 67.2472, 11.3477



56.6935, 82.3116, 12.8997



32.0048, 59.3194, 10.6280



15.2172, 16.6190, 15.3102



25.5594, 36.9578, 5.7865



1.9742, 2.7751, 0.4316

Inverse Universe

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



18.0370, 8.1011, 76.9610



20.3111, 8.3857, 95.1558



33.7176, 16.1848, 77.6948



13.9319, 14.0671, 18.1253



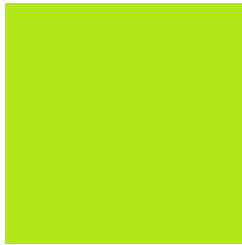
9.2287, 3.8235, 42.6348



0.7671, 0.3264, 3.1545

Previews

White Background



This preview shows how the XYZ color 47.3816, 67.2442, 11.3463 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 47.3816, 67.2442, 11.3463 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 47.3816, 67.2442, 11.3463

Background



This preview shows how black text looks on a background with the XYZ color 47.3816, 67.2442, 11.3463.



This preview shows how white text looks on a background with the XYZ color 47.3816, 67.2442,

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

47.3816, 67.2442, 11.3463

Protanopia

60.4157, 66.8313, 10.2057

Deuteranopia

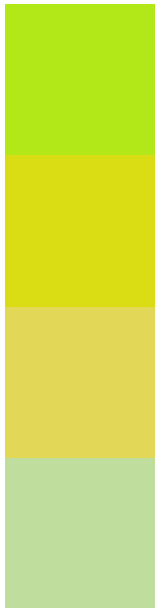
66.6465, 66.3527, 28.0336



Tritanopia

62.5525, 67.0007, 86.7263

Trichromacy



Original Color

47.3816, 67.2442, 11.3463

Protanomaly

54.8874, 66.6653, 10.5909

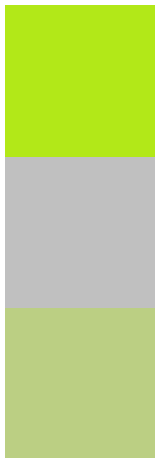
Deuteranomaly

57.6993, 65.6199, 18.6417

Tritanomaly

53.6929, 65.7532, 41.7600

Monochromacy



Original Color

47.3816, 67.2442, 11.3463

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

46.9031, 56.8291, 29.9698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3816, 67.2442, 11.3463 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(178, 232, 24)` looks like.

```
.text, #text, p{  
    color:rgb(178, 232, 24)  
}
```

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(178, 232, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 232, 24) }
```

Border

The CSS property to change the border of an element to XYZ 47.3816, 67.2442, 11.3463 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(178, 232, 24) }
```


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

```
.border{ border-color:rgb(178, 232, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 232, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 232, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 232, 24);  
box-shadow:4px 4px 4px 4px rgb(178, 232,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3816, 67.2442, 11.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 232, 24) }
```

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

```
.background{ background-color: rgb(178,  
232, 24) }
```

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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