

Converting Colors

XYZ(46.9949, 65.9111, 15.4857)

Have a look what the booklet for
XYZ(46.9949, 65.9111, 15.4857)
contains.

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Color

**XYZ(47.2144, 66.2290,
15.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E643
RGB	176, 230, 67
RGB Percent	69%, 90%, 26%
CMY	0.3098, 0.0980, 0.7372
CMYK	0.23, 0.00, 0.71, 0.10
HSL	80°, 77%, 58%
HSV	80°, 71%, 90%
XYZ	47.2144, 66.2290, 15.6052
YIQ	195.2720, 20.1390, -62.1410

Conversions

Conversions Part 2

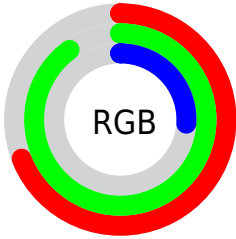
Format	Color
RYB	67, 230, 121
Decimal	11593283
CIELab	85.11, -39.84, 69.67
CIELCh	85, 80.257, 119.766
Yxy	66.2290, 0.3659, 0.5132
Android (android.graphics.Color)	4289783363 (0xFFB0E643)
YUV	195.2720, -63.2381, -16.9015
Hunter-Lab	81.3812, -38.8579, 45.5977

Details

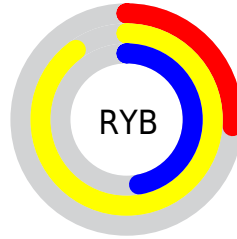
The XYZ color **47.2144, 66.2290, 15.6052** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **24.1780, 13.7943, 76.2551**, and the grayscale version is **52.3929, 55.1214, 60.0272**.

A 20% lighter version of the original color is **73.6590, 90.6374, 32.6813**, and **22.7438, 34.1940, 5.4014** is the 20% darker color. If you saturate the color by 10%, you get **44.9822, 65.1449, 12.5868**, and if you desaturate by 10%, it is **49.8203, 67.4784, 20.0731**.

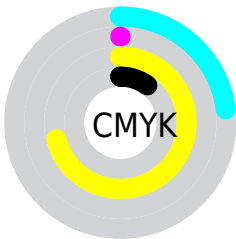
Distribution



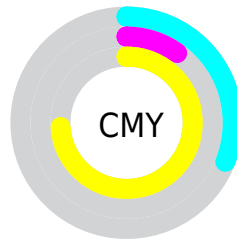
- Red (69%)
- Green (90%)
- Blue (26%)



- Red (26%)
- Yellow (90%)
- Blue (47%)



- Cyan (23%)
- Magenta (0%)
- Yellow (71%)
- Black (10%)





- Cyan (31%)
- Magenta (10%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2144, 66.2290, 15.6052 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 47.2144, 66.2290, 15.6052 by changing the saturation by 10% instead.


 47.2144, 66.2290,
15.6052


 47.2144, 66.2290,
15.6052


366.3043,
447.1954, 238.7663

 33.4138, 48.4583,
9.0939


 85.2504, 113.8149,
36.6686


 22.6044, 34.1900,
4.7048


 110.2165,
144.3990, 52.0579


 14.4208, 23.0396,
2.0194


 139.6351,
180.0230, 71.2435

 8.4975, 14.6227,
0.5672

 173.8717,
221.0713, 94.6440

 4.4694, 8.5550,
0.0000

 213.2916,
267.9283, 122.6780

 1.9710, 4.4521,
0.0000

258.2601,

 0.6176, 1.9295,

320.9784, 155.7641

0.0000

309.1425,
380.6059, 194.3206

■ 0.0000, 0.5661,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2144, 66.2290,
15.6052

■ 47.2144, 66.2290,
15.6052

■ 44.9822, 65.1449,
12.5868

■ 49.8203, 67.4784,
20.0731

■ 43.0829, 64.2027,
10.8314

■ 52.8258, 68.8966,
26.1390

■ 41.5864, 63.4469,
10.0546

■ 56.2592, 70.4975,
33.9375

■ 60.1446, 72.2910,
43.5881

64.5042, 74.2860,
55.1995

69.3584, 76.4908,
68.8720

74.7262, 78.9132,
84.6990

80.6258, 81.5607,
102.7685

83.8600, 83.1546,
106.2383

Harmonies

Analogous

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



63.0909, 66.2290, 11.3321



47.2144, 66.2290, 15.6052



37.4302, 66.2290, 32.6897

Triad

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



47.2144, 66.2290, 15.6052



47.0115, 66.2290, 196.9217



104.5207, 66.2290, 72.5199

Complementary

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



47.2144, 66.2290, 15.6052



24.1780, 13.7943, 76.2551

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.



98.0275, 66.2290, 134.7849



47.2144, 66.2290, 15.6052



62.8067, 66.2290, 224.5909

Square

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



47.2144, 66.2290, 15.6052



37.3298, 66.2290, 133.7180



81.8396, 66.2290, 197.7180



98.2185, 66.2290, 33.1075

Rectangle

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



47.2144, 66.2290, 15.6052



34.5535, 66.2290, 55.8249



81.8396, 66.2290, 197.7180



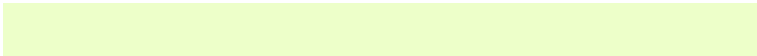
103.7472, 66.2290, 91.2940

Sweetspot

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



47.2159, 66.2319, 15.6066



81.3667, 93.8071, 69.3544



40.2001, 30.3331, 9.0472



17.0761, 19.9235, 13.9216



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.



47.2159, 66.2319, 15.6066



55.6864, 81.7516, 14.6996



34.2295, 59.5372, 14.9989



15.1133, 16.5655, 15.3054



23.6771, 35.9875, 5.6984



1.8469, 2.7095, 0.4256

Inverse Universe

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



24.1780, 13.7943, 76.2551



25.1896, 11.9414, 95.5850



40.1432, 22.0247, 77.0022



14.0305, 14.1179, 18.1299



9.8982, 4.1686, 42.6661



0.8269, 0.3572, 3.1573

Previews

White Background



This preview shows how the XYZ color 47.2144, 66.2290, 15.6052 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 47.2144, 66.2290, 15.6052 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 47.2144, 66.2290, 15.6052

Background



This preview shows how black text looks on a background with the XYZ color 47.2144, 66.2290, 15.6052.



This preview shows how white text looks on a background with the XYZ color 47.2144, 66.2290,

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

47.2144, 66.2290, 15.6052

Protanopia

59.6729, 65.6119, 14.0767

Deuteranopia

65.9861, 65.3279, 26.9010



Tritanopia

61.3716, 66.0292, 85.8542

Trichromacy



Original Color

47.2144, 66.2290, 15.6052

Protanomaly

54.2813, 65.4803, 14.6285

Deuteranomaly

57.5072, 64.6968, 21.7687

Tritanomaly

53.7786, 64.8563, 48.7138

Monochromacy



Original Color

47.2144, 66.2290, 15.6052

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

48.6402, 57.9412, 36.6371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2144, 66.2290, 15.6052 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(176, 230, 67)` looks like.

```
.text, #text, p{  
    color:rgb(176, 230, 67)  
}
```

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(176, 230, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 230, 67) }
```

Border

The CSS property to change the border of an element to XYZ 47.2144, 66.2290, 15.6052 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(176, 230, 67) }
```


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

```
.border{ border-color:rgb(176, 230, 67) }
```

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

Here you see how a box with a 4 pixel rgb(176, 230, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 230, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 230, 67);  
box-shadow:4px 4px 4px 4px rgb(176, 230,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2144, 66.2290, 15.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 230, 67) }
```

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

```
.background{ background-color: rgb(176,  
230, 67) }
```

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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