

Converting Colors

XYZ(48.1268, 66.4511, 17.5032)

Have a look what the booklet for
XYZ(48.1268, 66.4511, 17.5032)
contains.

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Color

**XYZ(48.2624, 66.7274,
17.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	B3E64E
RGB	179, 230, 78
RGB Percent	70%, 90%, 31%
CMY	0.2980, 0.0980, 0.6941
CMYK	0.22, 0.00, 0.66, 0.10
HSL	80°, 75%, 60%
HSV	80°, 66%, 90%
XYZ	48.2624, 66.7274, 17.5437
YIQ	197.4230, 18.3960, -58.0840

Conversions

Conversions Part 2

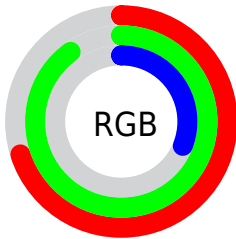
Format	Color
RYB	78, 230, 129
Decimal	11789902
CIELab	85.37, -38.03, 65.94
CIElCh	85, 76.118, 119.972
Yxy	66.7274, 0.3642, 0.5035
Android (android.graphics.Color)	4289979982 (0xFFB3E64E)
YUV	197.4230, -58.8755, -16.1570
Hunter-Lab	81.6868, -37.4902, 44.4472

Details

The XYZ color **48.2624, 66.7274, 17.5437** 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 **26.0632, 15.8309, 76.5488**, and the grayscale version is **53.6659, 56.4607, 61.4857**.

A 20% lighter version of the original color is **75.3230, 91.4184, 36.2298**, and **23.1895, 34.4206, 5.5652** is the 20% darker color. If you saturate the color by 10%, you get **45.8440, 65.5620, 13.8535**, and if you desaturate by 10%, it is **51.0721, 68.0655, 22.7595**.

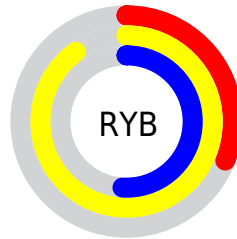
Distribution



Red (70%)

Green (90%)

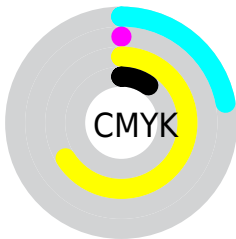
Blue (31%)



Red (31%)

Yellow (90%)

Blue (51%)

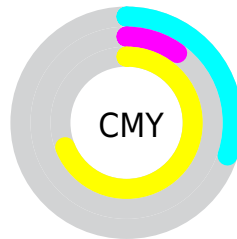


Cyan (22%)

Magenta (0%)

Yellow (66%)

Black (10%)



Cyan (30%)

Magenta (10%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2624, 66.7274, 17.5437 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 48.2624, 66.7274, 17.5437 by changing the saturation by 10% instead.

■ 48.2624, 66.7274,
17.5437

■ 48.2624, 66.7274,
17.5437

370.3966,
448.9738, 250.4355

■ 34.2468, 48.8631,
10.4568

■ 86.8023, 114.5297,
40.0616

■ 23.2471, 34.5109,
5.5934

■ 112.0574,
145.2365, 56.3298

■ 14.8978, 23.2864,
2.5347

■ 141.7896,
180.9930, 76.4955

■ 8.8335, 14.8051,
0.8584

■ 176.3645,
222.1835, 100.9772

■ 4.6890, 8.6827,
0.0000

■ 216.1472,
269.1925, 130.1935

■ 2.0988, 4.5348,
0.0000

261.5032,

■ 0.6886, 1.9770,

322.4042, 164.5630

0.0000

312.7979,
382.2032, 204.5042

■ 0.0000, 0.5941,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2624, 66.7274,
17.5437

■ 48.2624, 66.7274,
17.5437

■ 45.8440, 65.5620,
13.8535

■ 51.0721, 68.0655,
22.7595

■ 43.7790, 64.5470,
11.5182

■ 54.2970, 69.5791,
29.6391

■ 42.0280, 63.6688,
10.3327

■ 57.9641, 71.2814,
38.3101

■ 41.4020, 63.3518,
10.0460

■ 62.0966, 73.1820,
48.8864

66.7158, 75.2895,
61.4725

71.8415, 77.6120,
76.1654

77.4924, 80.1571,
93.0556

82.5367, 82.4724,
106.1764

85.2239, 83.8577,
106.3021

Harmonies

Analogous

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



63.4387, 66.7274, 13.0671



48.2624, 66.7274, 17.5437



38.8353, 66.7274, 34.7507

Triad

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



48.2624, 66.7274, 17.5437



48.2388, 66.7274, 189.7307



102.6795, 66.7274, 72.7016

Complementary

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



48.2624, 66.7274, 17.5437



26.0632, 15.8309, 76.5488

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.



96.6666, 66.7274, 131.2670



48.2624, 66.7274, 17.5437



63.4060, 66.7274, 214.9335

Square

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



48.2624, 66.7274, 17.5437



38.8235, 66.7274, 131.1467



81.4648, 66.7274, 189.8195



96.6882, 66.7274, 34.8003

Rectangle

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



48.2624, 66.7274, 17.5437



36.0611, 66.7274, 57.3461



81.4648, 66.7274, 189.8195



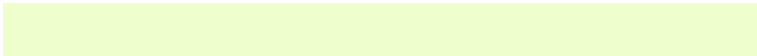
101.9828, 66.7274, 90.4708

Sweetspot

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



48.2640, 66.7304, 17.5451



81.8808, 94.0371, 70.9621



41.8172, 32.9882, 11.3720



17.1744, 19.9674, 14.2337



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.



48.2640, 66.7304, 17.5451



57.0071, 82.3976, 16.3346



35.3060, 60.0503, 16.9387



15.1072, 16.5623, 15.3051



23.5733, 35.9340, 5.6935



1.8398, 2.7058, 0.4253

Inverse Universe

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



26.0632, 15.8309, 76.5488



27.2543, 13.8923, 95.8528



42.0948, 24.0955, 77.2990



14.0363, 14.1209, 18.1302



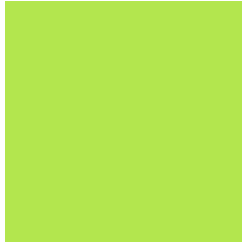
9.9435, 4.1920, 42.6682



0.8307, 0.3592, 3.1575

Previews

White Background



This preview shows how the XYZ color 48.2624, 66.7274, 17.5437 looks on a white background.

Color Contrast Check

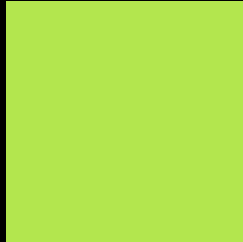
Large Text (above 18pt) WCAG AA × Fail

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 48.2624, 66.7274, 17.5437 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 48.2624, 66.7274, 17.5437

Background



This preview shows how black text looks on a background with the XYZ color 48.2624, 66.7274, 17.5437.



This preview shows how white text looks on a background with the XYZ color 48.2624, 66.7274,

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

48.2624, 66.7274, 17.5437

Protanopia

60.2567, 66.2467, 15.9143

Deuteranopia

66.5345, 65.9264, 28.6204



Tritanopia

61.8919, 66.2974, 85.8786

Trichromacy



Original Color

48.2624, 66.7274, 17.5437

Protanomaly

55.2168, 65.9227, 16.4707

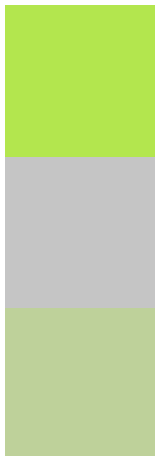
Deuteranomaly

58.1796, 65.0021, 23.6676

Tritanomaly

54.6649, 65.2681, 50.7912

Monochromacy



Original Color

48.2624, 66.7274, 17.5437

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

49.8684, 58.8812, 39.3087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2624, 66.7274, 17.5437 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, 230, 78)` looks like.

```
.text, #text, p{  
    color:rgb(179, 230, 78)  
}
```

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, 230, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 230, 78) }
```

Border

The CSS property to change the border of an element to XYZ 48.2624, 66.7274, 17.5437 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, 230, 78) }
```


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

```
.border{ border-color:rgb(179, 230, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 230, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 230, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 230, 78);  
box-shadow:4px 4px 4px 4px rgb(179, 230,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2624, 66.7274, 17.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 230, 78) }
```

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

```
.background{ background-color: rgb(179,  
230, 78) }
```

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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