

Converting Colors

XYZ(49.3749, 69.3755, 16.7687)

Have a look what the booklet for
XYZ(49.3749, 69.3755, 16.7687)
contains.

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Color

**XYZ(49.4361, 69.4553,
16.7619)**

Conversions

Conversions Part 1

Format	Color
Hex	B3EB47
RGB	179, 235, 71
RGB Percent	70%, 92%, 28%
CMY	0.2980, 0.0784, 0.7215
CMYK	0.24, 0.00, 0.70, 0.08
HSL	80°, 80%, 60%
HSV	80°, 70%, 92%
XYZ	49.4361, 69.4553, 16.7619
YIQ	199.5600, 19.2680, -62.8760

Conversions

Conversions Part 2

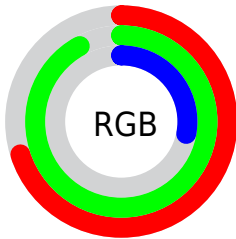
Format	Color
RYB	71, 235, 127
Decimal	11791175
CIELab	86.73, -40.69, 69.93
CIELCh	87, 80.908, 120.196
Yxy	69.4553, 0.3644, 0.5120
Android (android.graphics.Color)	4289981255 (0xFFB3EB47)
YUV	199.5600, -63.3801, -18.0311
Hunter-Lab	83.3398, -39.9609, 46.4131

Details

The XYZ color **49.4361, 69.4553, 16.7619** 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 **26.0039, 15.0186, 80.1296**, and the grayscale version is **54.9999, 57.8641, 63.0140**.

A 20% lighter version of the original color is **74.9162, 91.2557, 34.0877**, and **24.1461, 36.3778, 5.7490** is the 20% darker color. If you saturate the color by 10%, you get **47.0222, 68.2841, 13.4449**, and if you desaturate by 10%, it is **52.2527, 70.8049, 21.6219**.

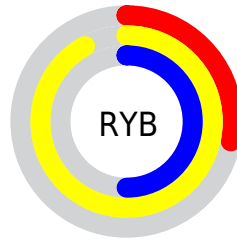
Distribution



Red (70%)

Green (92%)

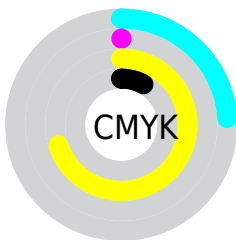
Blue (28%)



Red (28%)

Yellow (92%)

Blue (50%)

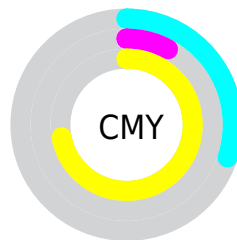


Cyan (24%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (30%)

Magenta (8%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4361, 69.4553, 16.7619 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 49.4361, 69.4553, 16.7619 by changing the saturation by 10% instead.


 49.4361, 69.4553,
16.7619


 49.4361, 69.4553,
16.7619


374.9452,
458.6351, 245.7938


 35.1815, 51.0826,
9.9047


 88.5356, 118.4316,
38.7010

 23.9699, 36.2743,
5.2310


 114.1113,
149.8041, 54.6199


 15.4359, 24.6462,
2.3224


 144.1914,
186.2785, 74.3966

 9.2142, 15.8136,
0.7437

 179.1412,
228.2394, 98.4494

 4.9394, 9.3924,
0.0000

 219.3261,
276.0711, 127.1971

 2.2461, 4.9980,
0.0000

265.1115,

 0.7669, 2.2461,

330.1581, 161.0580

0.0000

316.8628,
390.8846, 200.4507

■ 0.0000, 0.7449,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4361, 69.4553,
16.7619

■ 49.4361, 69.4553,
16.7619

■ 47.0222, 68.2841,
13.4449

■ 52.2527, 70.8049,
21.6219

■ 44.9686, 67.2668,
11.4781


■ 55.4990, 72.3367,
28.1790


■ 43.2155, 66.3818,
10.5498


■ 59.2047, 74.0651,
36.5733


■ 43.1798, 66.3637,
10.5337


■ 63.3951, 76.0005,
46.9294

 68.0934, 78.1522,
59.3608

 73.3212, 80.5293,
73.9726

 79.0986, 83.1398,
90.8624

 84.7921, 85.7305,
106.6864

 87.6258, 87.1913,
106.8190

Harmonies

Analogous

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



65.8916, 69.4553, 12.1213



49.4361, 69.4553, 16.7619



39.3302, 69.4553, 34.9241

Triad

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



49.4361, 69.4553, 16.7619



49.6130, 69.4553, 205.9092



109.2166, 69.4553, 75.2714

Complementary

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



49.4361, 69.4553, 16.7619



26.0039, 15.0186, 80.1296

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.



102.6574, 69.4553, 139.7169



49.4361, 69.4553, 16.7619



66.1389, 69.4553, 233.8102

Square

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



49.4361, 69.4553, 16.7619



39.4178, 69.4553, 140.6427



85.9395, 69.4553, 205.2193



102.4914, 69.4553, 34.5588

Rectangle

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



49.4361, 69.4553, 16.7619



36.3918, 69.4553, 59.3147



85.9395, 69.4553, 205.2193



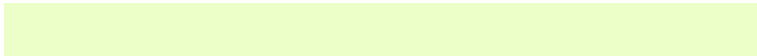
108.4793, 69.4553, 94.6807

Sweetspot

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



49.4377, 69.4584, 16.7634



81.1849, 93.7134, 69.3459



42.8192, 32.9561, 10.0666



17.0327, 19.9011, 13.9196



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.



49.4377, 69.4584, 16.7634



55.4130, 81.6057, 14.9105



35.9210, 62.4903, 16.1308



15.8235, 17.3545, 16.0345



24.1723, 37.0057, 5.8688



2.0004, 2.9586, 0.4656

Inverse Universe

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



26.0039, 15.0186, 80.1296



25.7688, 12.3661, 95.6365



43.1701, 23.8681, 80.9330



14.7161, 14.7989, 19.0031



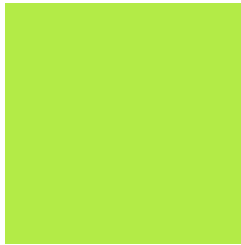
10.3215, 4.3568, 44.0399



0.9102, 0.3935, 3.4629

Previews

White Background



This preview shows how the XYZ color 49.4361, 69.4553, 16.7619 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 49.4361, 69.4553, 16.7619 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 49.4361, 69.4553, 16.7619

Background



This preview shows how black text looks on a background with the XYZ color 49.4361, 69.4553, 16.7619.

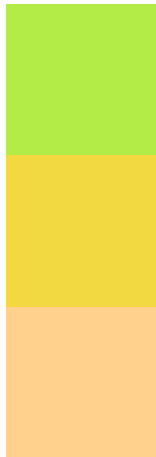


This preview shows how white text looks on a background with the XYZ color 49.4361, 69.4553,

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

49.4361, 69.4553, 16.7619

Protanopia

62.4142, 68.8963, 15.1630

Deuteranopia

68.7741, 68.7544, 34.4571



Tritanopia

64.1708, 68.9196, 90.0414

Trichromacy



Original Color

49.4361, 69.4553, 16.7619



Protanomaly

56.9125, 68.7887, 15.7468



Deuteranomaly

59.8445, 67.7115, 26.1351



Tritanomaly

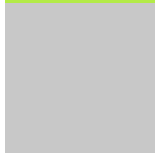
56.5993, 68.2312, 51.7818

Monochromacy



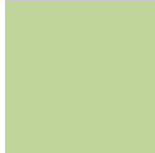
Original Color

49.4361, 69.4553, 16.7619



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.2822, 61.0949, 39.2266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4361, 69.4553, 16.7619 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, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(179, 235, 71)  
}
```

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, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 235, 71) }
```

Border

The CSS property to change the border of an element to XYZ 49.4361, 69.4553, 16.7619 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, 235, 71) }
```


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

```
.border{ border-color:rgb(179, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(179, 235,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4361, 69.4553, 16.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 235, 71) }
```

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

```
.background{ background-color: rgb(179,  
235, 71) }
```

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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