

Converting Colors

XYZ(47.6875, 65.2916, 12.6068)

Have a look what the booklet for
XYZ(47.6875, 65.2916, 12.6068)
contains.

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Color

**XYZ(47.7099, 65.3180,
12.5757)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E32D
RGB	184, 227, 45
RGB Percent	72%, 89%, 18%
CMY	0.2784, 0.1098, 0.8235
CMYK	0.19, 0.00, 0.80, 0.11
HSL	74°, 76%, 53%
HSV	74°, 80%, 89%
XYZ	47.7099, 65.3180, 12.5757
YIQ	193.3950, 32.7940, -65.7180

Conversions

Conversions Part 2

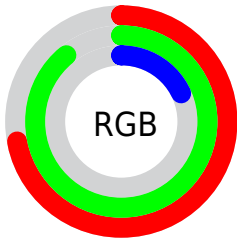
Format	Color
RYB	45, 227, 88
Decimal	12116781
CIELab	84.65, -36.46, 76.13
CIELCh	85, 84.410, 115.588
Yxy	65.3180, 0.3798, 0.5200
Android (android.graphics.Color)	4290306861 (0xFFB8E32D)
YUV	193.3950, -73.1587, -8.2394
Hunter-Lab	80.8196, -36.0610, 47.3480

Details

The XYZ color **47.7099, 65.3180, 12.5757** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **18.8305, 9.4993, 73.5180**, and the grayscale version is **51.3272, 54.0002, 58.8063**.

A 20% lighter version of the original color is **75.7221, 91.8146, 27.6409**, and **23.1671, 33.5614, 5.2570** is the 20% darker color. If you saturate the color by 10%, you get **46.1246, 64.5406, 10.8013**, and if you desaturate by 10%, it is **49.5817, 66.2203, 15.5911**.

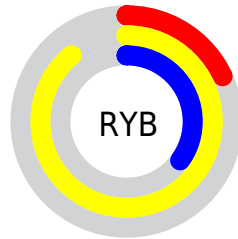
Distribution



Red (72%)

Green (89%)

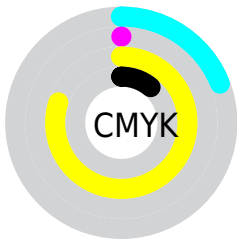
Blue (18%)



Red (18%)

Yellow (89%)

Blue (35%)

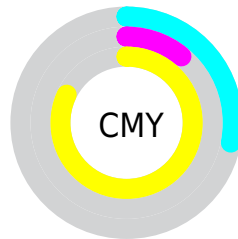


Cyan (19%)

Magenta (0%)

Yellow (80%)

Black (11%)



Cyan (28%)


Magenta (11%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7099, 65.3180, 12.5757 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 47.7099, 65.3180, 12.5757 by changing the saturation by 10% instead.


 47.7099, 65.3180,
12.5757

 47.7099, 65.3180,
12.5757


368.2428,
443.9338, 219.2917

 33.8075, 47.7190,
7.0098


 85.9846, 112.5069,
31.2193


 22.9079, 33.6044,
3.3897

 111.0877,
142.8656, 45.1340


 14.6459, 22.5899,
1.2969


 140.6550,
178.2463, 62.6688

 8.6559, 14.2910,
0.0592

 175.0519,
219.0334, 84.2421

 4.5727, 8.3233,
0.0000

 214.6438,
265.6113, 110.2725

 2.0310, 4.3025,
0.0000

259.7960,

 0.6513, 1.8442,

318.3645, 141.1785

0.0000

310.8739,
377.6772, 177.3787

■ 0.0000, 0.5145,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.7099, 65.3180,
12.5757

■ 47.7099, 65.3180,
12.5757

■ 46.1246, 64.5406,
10.8013

■ 49.5817, 66.2203,
15.5911

■ 44.7847, 63.8669,
9.9671

■ 51.7689, 67.2522,
20.0171

■ 54.3014, 68.4279,
26.0014

■ 57.2039, 69.7574,
33.6718

■ 60.4988, 71.2498,
43.1431

■ 64.2063, 72.9131,
54.5200

■ 68.3453, 74.7550,
67.8989

■ 72.9334, 76.7826,
83.3701

■ 77.9872, 79.0025,
101.0181

Harmonies

Analogous

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



64.9125, 65.3180, 9.7152



47.7099, 65.3180, 12.5757



36.7284, 65.3180, 27.1137

Triad

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



47.7099, 65.3180, 12.5757



43.7724, 65.3180, 195.6980



105.6764, 65.3180, 79.4066

Complementary

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



47.7099, 65.3180, 12.5757



18.8305, 9.4993, 73.5180

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.



97.0352, 65.3180, 147.3739



47.7099, 65.3180, 12.5757



59.3366, 65.3180, 232.8948

Square

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



47.7099, 65.3180, 12.5757



34.7986, 65.3180, 126.0208



79.0862, 65.3180, 211.7979



100.8384, 65.3180, 35.0535

Rectangle

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



47.7099, 65.3180, 12.5757



33.1834, 65.3180, 48.2902



79.0862, 65.3180, 211.7979



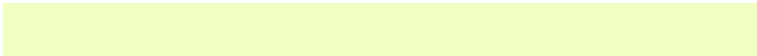
104.2106, 65.3180, 100.2049

Sweetspot

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



47.7114, 65.3209, 12.5771



81.5934, 94.0257, 64.7696



35.6009, 23.4148, 5.1267



17.0972, 19.9606, 12.7421



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.



47.7114, 65.3209, 12.5771



58.8820, 83.4334, 13.2937



32.5136, 57.4862, 11.8658



15.2513, 16.6366, 15.3118



26.2255, 37.3012, 5.8176



2.0186, 2.7980, 0.4337

Inverse Universe

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



18.8305, 9.4993, 73.5180



20.5479, 8.6720, 95.1986



33.2734, 16.9448, 74.1940



13.9000, 14.0507, 18.1238



9.0484, 3.7305, 42.6263



0.7499, 0.3175, 3.1537

Previews

White Background



This preview shows how the XYZ color 47.7099, 65.3180, 12.5757 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 47.7099, 65.3180, 12.5757 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 47.7099, 65.3180, 12.5757

Background



This preview shows how black text looks on a background with the XYZ color 47.7099, 65.3180, 12.5757.



This preview shows how white text looks on a background with the XYZ color 47.7099, 65.3180,

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

47.7099, 65.3180, 12.5757

Protanopia

58.6196, 64.7532, 11.5068

Deuteranopia

65.2298, 64.6488, 24.0794



Tritanopia

61.6550, 64.7465, 82.6466

Trichromacy



Original Color

47.7099, 65.3180, 12.5757

Protanomaly

54.1442, 64.6983, 11.8248

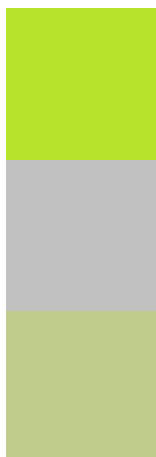
Deuteranomaly

57.3277, 63.9347, 18.3360

Tritanomaly

53.7516, 63.8010, 43.2000

Monochromacy



Original Color

47.7099, 65.3180, 12.5757

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

47.7267, 56.4739, 32.8112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7099, 65.3180, 12.5757 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(184, 227, 45)` looks like.

```
.text, #text, p{  
    color:rgb(184, 227, 45)  
}
```

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(184, 227, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 227, 45) }
```

Border

The CSS property to change the border of an element to XYZ 47.7099, 65.3180, 12.5757 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(184, 227, 45) }
```


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

```
.border{ border-color:rgb(184, 227, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 227, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 227, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 227, 45);  
box-shadow:4px 4px 4px 4px rgb(184, 227,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7099, 65.3180, 12.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 227, 45) }
```

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

```
.background{ background-color: rgb(184,  
227, 45) }
```

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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