

Converting Colors

XYZ(47.9688, 64.9815, 18.6786)

Have a look what the booklet for
XYZ(47.9688, 64.9815, 18.6786)
contains.

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Color

**XYZ(47.8921, 64.8723,
18.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E255
RGB	181, 226, 85
RGB Percent	71%, 89%, 33%
CMY	0.2902, 0.1137, 0.6666
CMYK	0.20, 0.00, 0.62, 0.11
HSL	79°, 71%, 61%
HSV	79°, 62%, 89%
XYZ	47.8921, 64.8723, 18.5918
YIQ	196.4710, 18.4410, -53.3910

Conversions

Conversions Part 2

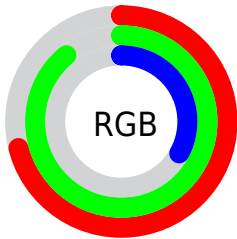
Format	Color
RYB	85, 226, 130
Decimal	11919957
CIELab	84.42, -34.96, 62.18
CIELCh	84, 71.334, 119.348
Yxy	64.8723, 0.3646, 0.4939
Android (android.graphics.Color)	4290110037 (0xFFB5E255)
YUV	196.4710, -54.9552, -13.5681
Hunter-Lab	80.5433, -34.8125, 42.6944

Details

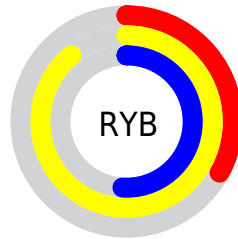
The XYZ color **47.8921, 64.8723, 18.5918** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.1845, 16.7356, 73.8054**, and the grayscale version is **53.0663, 55.8299, 60.7988**.

A 20% lighter version of the original color is **76.0902, 91.7642, 38.5128**, and **22.9970, 33.1754, 6.0556** is the 20% darker color. If you saturate the color by 10%, you get **45.4863, 63.7219, 14.5179**, and if you desaturate by 10%, it is **50.6752, 66.1883, 24.1822**.

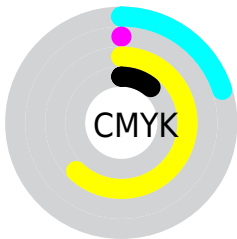
Distribution



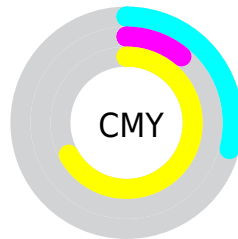
- Red (71%)
- Green (89%)
- Blue (33%)



- Red (33%)
- Yellow (89%)
- Blue (51%)



- Cyan (20%)
- Magenta (0%)
- Yellow (62%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8921, 64.8723, 18.5918 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 47.8921, 64.8723, 18.5918 by changing the saturation by 10% instead.


 47.8921, 64.8723,
18.5918


 47.8921, 64.8723,
18.5918


368.9540,
442.3329, 256.5331

 33.9523, 47.3575,
11.2019


 86.2544, 111.8662,
41.8707


 23.0197, 33.3184,
6.0869


 111.4076,
142.1142, 58.5967

 14.7288, 22.3705,
2.8284


 141.0294,
177.3754, 79.2718

 8.7144, 14.1294,
1.0077

 175.4851,
218.0341, 104.3146

 4.6110, 8.2107,
0.0000

215.1401,
264.4749, 134.1436

 2.0532, 4.2301,
0.0000

260.3596,

 0.6636, 1.8031,

317.0820, 169.1773

0.0000

311.5092,
376.2399, 209.8343

■ 0.0000, 0.4891,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8921, 64.8723,
18.5918

■ 47.8921, 64.8723,
18.5918

■ 45.4863, 63.7219,
14.5179

■ 50.6752, 66.1883,
24.1822

■ 43.4235, 62.7164,
11.8068


■ 53.8571, 67.6718,
31.4149


■ 41.6698, 61.8443,
10.2796


■ 57.4625, 69.3352,
40.4075


■ 40.4990, 61.2525,
9.6884


■ 61.5126, 71.1870,
51.2655

 66.0273, 73.2353,
64.0862

 71.0247, 75.4875,
78.9600

 76.5222, 77.9508,
95.9718

 80.7465, 79.9158,
105.7772

 83.2270, 81.1945,
105.8933

Harmonies

Analogous

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



62.0065, 64.8723, 14.3608



47.8921, 64.8723, 18.5918



38.9757, 64.8723, 34.8190

Triad

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



47.8921, 64.8723, 18.5918



47.3866, 64.8723, 175.5122



97.4420, 64.8723, 71.6323

Complementary

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



47.8921, 64.8723, 18.5918



26.1845, 16.7356, 73.8054

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.



91.7792, 64.8723, 125.1498



47.8921, 64.8723, 18.5918



61.3132, 64.8723, 198.8436

Square

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



47.8921, 64.8723, 18.5918



38.7210, 64.8723, 122.6489



77.8400, 64.8723, 177.3397



92.2319, 64.8723, 35.9031

Rectangle

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



47.8921, 64.8723, 18.5918



36.2897, 64.8723, 55.6951



77.8400, 64.8723, 177.3397



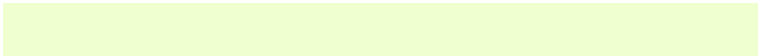
96.7337, 64.8723, 88.0326

Sweetspot

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



47.8936, 64.8752, 18.5932



82.7452, 94.4471, 72.6124



40.9423, 32.6991, 12.7489



17.3572, 20.0547, 14.5548



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.



47.8936, 64.8752, 18.5932



58.9151, 83.3508, 17.7964



35.3749, 58.4215, 18.0073



14.4241, 15.7988, 14.5960



23.2321, 35.0091, 5.5330



1.7022, 2.4740, 0.3878

Inverse Universe

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



26.1845, 16.7356, 73.8054



28.2968, 15.2032, 96.0508



40.8379, 24.2897, 74.4912



13.3618, 13.4545, 17.2804



9.4714, 3.9780, 41.3170



0.7475, 0.3226, 2.8681

Previews

White Background



This preview shows how the XYZ color 47.8921, 64.8723, 18.5918 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 47.8921, 64.8723, 18.5918 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 47.8921, 64.8723, 18.5918

Background



This preview shows how black text looks on a background with the XYZ color 47.8921, 64.8723, 18.5918.



This preview shows how white text looks on a background with the XYZ color 47.8921, 64.8723,

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

47.8921, 64.8723, 18.5918

Protanopia

58.4635, 64.1797, 17.0911

Deuteranopia

65.1639, 64.2482, 24.8862



Tritanopia

60.8358, 64.6942, 82.6796

Trichromacy



Original Color

47.8921, 64.8723, 18.5918

Protanomaly

54.1032, 64.1680, 17.5168

Deuteranomaly

57.4897, 63.5664, 22.0715

Tritanomaly

54.3876, 63.9668, 50.5546

Monochromacy



Original Color

47.8921, 64.8723, 18.5918

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

49.7994, 58.1023, 40.0426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8921, 64.8723, 18.5918 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(181, 226, 85)` looks like.

```
.text, #text, p{  
    color:rgb(181, 226, 85)  
}
```

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(181, 226, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 226, 85) }
```

Border

The CSS property to change the border of an element to XYZ 47.8921, 64.8723, 18.5918 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(181, 226, 85) }
```


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

```
.border{ border-color:rgb(181, 226, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 226, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 226, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 226, 85);  
box-shadow:4px 4px 4px 4px rgb(181, 226,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8921, 64.8723, 18.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 226, 85) }
```

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

```
.background{ background-color: rgb(181,  
226, 85) }
```

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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