

Converting Colors

XYZ(47.9818, 63.0883, 18.1596)

Have a look what the booklet for
XYZ(47.9818, 63.0883, 18.1596)
contains.

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Color

**XYZ(47.9897, 62.9336,
18.2124)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDD55
RGB	187, 221, 85
RGB Percent	73%, 87%, 33%
CMY	0.2667, 0.1333, 0.6667
CMYK	0.15, 0.00, 0.62, 0.13
HSL	75°, 67%, 60%
HSV	75°, 62%, 87%
XYZ	47.9897, 62.9336, 18.2124
YIQ	195.3300, 23.3920, -49.5040

Conversions

Conversions Part 2

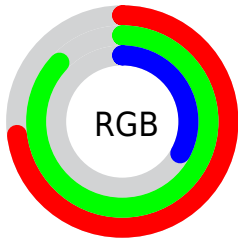
Format	Color
RYB	85, 221, 119
Decimal	12311893
CIELab	83.41, -30.34, 61.20
CIELCh	83, 68.303, 116.369
Yxy	62.9336, 0.3716, 0.4873
Android (android.graphics.Color)	4290501973 (0xFFBBDD55)
YUV	195.3300, -54.3927, -7.3054
Hunter-Lab	79.3307, -30.8483, 41.9199

Details

The XYZ color **47.9897, 62.9336, 18.2124** 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 **23.9097, 15.6410, 70.1692**, and the grayscale version is **52.3749, 55.1025, 60.0066**.

A 20% lighter version of the original color is **78.4997, 93.0063, 38.6256**, and **23.1718, 32.1679, 5.9075** is the 20% darker color. If you saturate the color by 10%, you get **45.9197, 61.9547, 14.2267**, and if you desaturate by 10%, it is **50.3888, 64.0547, 23.6468**.

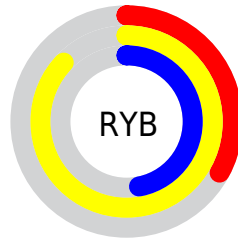
Distribution



Red (73%)

Green (87%)

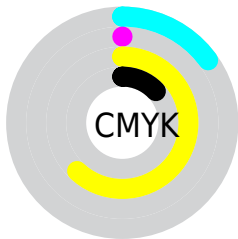
Blue (33%)



Red (33%)

Yellow (87%)

Blue (47%)

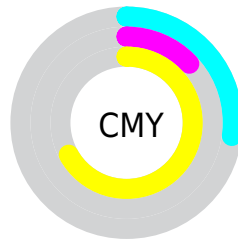


Cyan (15%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (27%)

Magenta (13%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9897, 62.9336, 18.2124 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 47.9897, 62.9336, 18.2124 by changing the saturation by 10% instead.

■ 47.9897, 62.9336,
18.2124

■ 47.9897, 62.9336,
18.2124

369.3346,
435.3285, 254.3417

■ 34.0299, 45.7875,
10.9316

■ 86.3989, 109.0737,
41.2177

■ 23.0796, 32.0782,
5.9072

■ 111.5790,
138.8365, 57.7793

■ 14.7733, 21.4212,
2.7209

■ 141.2299,
173.5737, 78.2716

■ 8.7457, 13.4322,
0.9539

■ 175.7171,
213.6695, 103.1130

■ 4.6315, 7.7269,
0.0000

215.4057,
259.5086, 132.7222

■ 2.0652, 3.9207,
0.0000

260.6613,

■ 0.6702, 1.6293,

311.4751, 167.5177

0.0000

311.8491,
369.9536, 207.9180

0.0000, 0.3772,
0.0000

0.0000, 0.0000,
0.0000

47.9897, 62.9336,
18.2124

47.9897, 62.9336,
18.2124

45.9197, 61.9547,
14.2267

50.3888, 64.0547,
23.6468

44.1474, 61.0985,
11.5462


53.1363, 65.3190,
30.6477


42.6418, 60.3549,
10.0051


56.2549, 66.7378,
39.3252


41.5304, 59.7952,
9.3528


59.7639, 68.3190,
49.7786

 63.6813, 70.0699,
62.0992

 68.0238, 71.9971,
76.3722

 72.8069, 74.1070,
92.6774

 76.9299, 75.9592,
105.2147

 78.7440, 76.8944,
105.2996

Harmonies

Analogous

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



61.6465, 62.9336, 14.9707



47.9897, 62.9336, 18.2124



39.0203, 62.9336, 32.4286

Triad

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



47.9897, 62.9336, 18.2124



45.3310, 62.9336, 161.8727



93.1471, 62.9336, 73.8446

Complementary

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



47.9897, 62.9336, 18.2124



23.9097, 15.6410, 70.1692

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.



86.9351, 62.9336, 124.6486



47.9897, 62.9336, 18.2124



58.0230, 62.9336, 187.1118

Square

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



47.9897, 62.9336, 18.2124



37.6734, 62.9336, 111.7309



73.4423, 62.9336, 171.2512



89.2804, 62.9336, 38.1980

Rectangle

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



47.9897, 62.9336, 18.2124



36.1010, 62.9336, 50.9734



73.4423, 62.9336, 171.2512



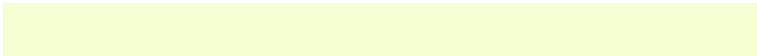
92.1454, 62.9336, 89.7012

Sweetspot

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



47.9912, 62.9364, 18.2137



84.4240, 95.2763, 74.3271



38.0576, 29.2236, 12.2301



17.7412, 20.2456, 14.8902



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.



47.9912, 62.9364, 18.2137



62.7135, 85.3004, 18.3600



35.1061, 56.2939, 17.6107



13.8277, 15.0914, 13.9097



24.2330, 34.7900, 5.4379



1.6468, 2.2935, 0.3559

Inverse Universe

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



23.9097, 15.6410, 70.1692



26.8881, 14.6944, 96.0269



36.7954, 22.2838, 70.7722



12.6422, 12.7737, 16.4514



8.5929, 3.5540, 39.9715



0.6356, 0.2709, 2.5932

Previews

White Background



This preview shows how the XYZ color 47.9897, 62.9336, 18.2124 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 47.9897, 62.9336, 18.2124 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 47.9897, 62.9336, 18.2124

Background



This preview shows how black text looks on a background with the XYZ color 47.9897, 62.9336, 18.2124.



This preview shows how white text looks on a background with the XYZ color 47.9897, 62.9336,

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

47.9897, 62.9336, 18.2124

Protanopia

56.9961, 62.6948, 16.8819

Deuteranopia

63.7343, 62.5683, 20.7743



Tritanopia

60.2607, 62.6499, 78.7286

Trichromacy



Original Color

47.9897, 62.9336, 18.2124

Protanomaly

53.3416, 62.6448, 17.2629

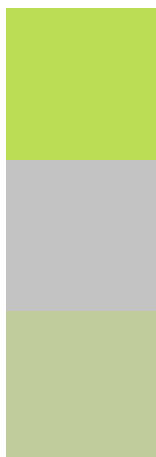
Deuteranomaly

56.7700, 61.7918, 19.7614

Tritanomaly

54.1123, 61.9744, 48.6454

Monochromacy



Original Color

47.9897, 62.9336, 18.2124

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.2475, 56.7588, 39.3703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9897, 62.9336, 18.2124 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(187, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 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(187, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 47.9897, 62.9336, 18.2124 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(187, 221, 85) }
```


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

```
.border{ border-color:rgb(187, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(187, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9897, 62.9336, 18.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 85) }
```

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

```
.background{ background-color: rgb(187,  
221, 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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