

Converting Colors

XYZ(48.6104, 62.1156, 18.6369)

Have a look what the booklet for
XYZ(48.6104, 62.1156, 18.6369)
contains.

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Color

**XYZ(48.5711, 62.0539,
18.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	C0DA58
RGB	192, 218, 88
RGB Percent	75%, 85%, 35%
CMY	0.2471, 0.1451, 0.6549
CMYK	0.12, 0.00, 0.60, 0.15
HSL	72°, 64%, 60%
HSV	72°, 60%, 85%
XYZ	48.5711, 62.0539, 18.6501
YIQ	195.4060, 26.2340, -45.9420

Conversions

Conversions Part 2

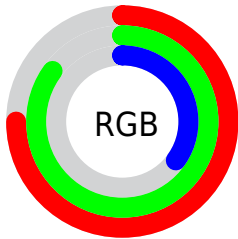
Format	Color
R _Y B	88, 218, 114
Decimal	12638808
CIE Lab	82.94, -26.73, 59.52
CIE LCh	83, 65.245, 114.185
Yxy	62.0539, 0.3757, 0.4800
Android (android.graphics.Color)	4290828888 (0xFFC0DA58)
YUV	195.4060, -52.9512, -2.9871
Hunter-Lab	78.7743, -27.7945, 41.1049

Details

The XYZ color **48.5711, 62.0539, 18.6501** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **23.0863, 15.6203, 68.1317**, and the grayscale version is **52.4109, 55.1403, 60.0478**.

A 20% lighter version of the original color is **80.4261, 93.9822, 39.4927**, and **23.4979, 31.5276, 6.1433** is the 20% darker color. If you saturate the color by 10%, you get **46.7123, 61.1869, 14.5340**, and if you desaturate by 10%, it is **50.7355, 63.0514, 24.1921**.

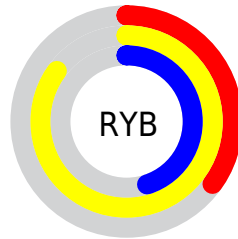
Distribution



Red (75%)

Green (85%)

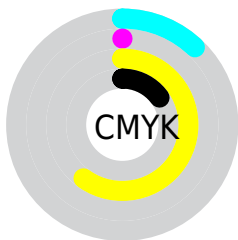
Blue (35%)



Red (35%)

Yellow (85%)

Blue (45%)

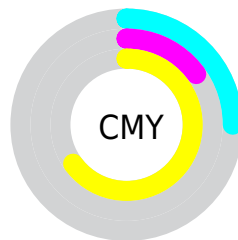


Cyan (12%)

Magenta (0%)

Yellow (60%)

Black (15%)



Cyan (25%)

Magenta (15%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5711, 62.0539, 18.6501 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 48.5711, 62.0539, 18.6501 by changing the saturation by 10% instead.

■ 48.5711, 62.0539,
18.6501

■ 48.5711, 62.0539,
18.6501

371.5964,
432.1277, 256.8683

■ 34.4925, 45.0763,
11.2435

■ 87.2587, 107.8034,
41.9708

■ 23.4369, 31.5175,
6.1146

■ 112.5984,
137.3441, 58.7220

■ 15.0389, 20.9932,
2.8450

■ 142.4224,
171.8412, 79.4250

■ 8.9332, 13.1190,
1.0160

■ 177.0963,
211.6792, 104.4986

■ 4.7544, 7.5106,
0.0000

216.9853,
257.2425, 134.3612

■ 2.1372, 3.7834,
0.0000

262.4547,

■ 0.7093, 1.5532,

308.9154, 169.4313

0.0000

313.8700,
367.0823, 210.1275

■ 0.0000, 0.3257,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5711, 62.0539,
18.6501

■ 48.5711, 62.0539,
18.6501

■ 46.7123, 61.1869,
14.5340

■ 50.7355, 63.0514,
24.1921

■ 45.1296, 60.4319,
11.7087


■ 53.2233, 64.1797,
31.2710


■ 43.7947, 59.7797,
10.0203


■ 56.0558, 65.4499,
39.9914


■ 42.6568, 59.2100,
9.2034


■ 59.2511, 66.8690,
50.4476


 42.6166, 59.1898,
9.1786

 62.8262, 68.4439,
62.7269

 66.7966, 70.1809,
76.9104

 71.1772, 72.0860,
93.0745

 74.7660, 73.6783,
104.8885

 76.1582, 74.3960,
104.9536

Harmonies

Analogous

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



61.7658, 62.0539, 16.0643



48.5711, 62.0539, 18.6501



39.6401, 62.0539, 31.5963

Triad

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



48.5711, 62.0539, 18.6501



44.5158, 62.0539, 151.9447



90.2172, 62.0539, 75.7295

Complementary

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



48.5711, 62.0539, 18.6501



23.0863, 15.6203, 68.1317

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.



83.7670, 62.0539, 123.8425



48.5711, 62.0539, 18.6501



56.2799, 62.0539, 177.7603

Square

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



48.5711, 62.0539, 18.6501



37.5727, 62.0539, 104.5629



70.7798, 62.0539, 165.8304



87.2805, 62.0539, 40.5223

Rectangle

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



48.5711, 62.0539, 18.6501



36.5811, 62.0539, 48.5635



70.7798, 62.0539, 165.8304



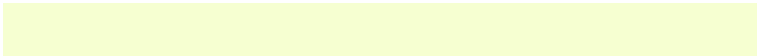
89.0469, 62.0539, 90.9735

Sweetspot

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



48.5726, 62.0567, 18.6514



85.2233, 95.6884, 74.3645



36.6944, 27.6464, 12.6356



17.9381, 20.3472, 14.8994



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.



48.5726, 62.0567, 18.6514



65.9052, 86.9275, 19.3339



35.5874, 55.3626, 18.0437



13.8938, 15.1255, 13.9128



25.6199, 35.5051, 5.5028



1.7260, 2.3343, 0.3596

Inverse Universe

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



23.0863, 15.6203, 68.1317



26.5286, 14.9737, 96.0997



34.7372, 21.6266, 68.6769



12.5807, 12.7420, 16.4485



8.2642, 3.3845, 39.9561



0.6061, 0.2557, 2.5919

Previews

White Background



This preview shows how the XYZ color 48.5711, 62.0539, 18.6501 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 48.5711, 62.0539, 18.6501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

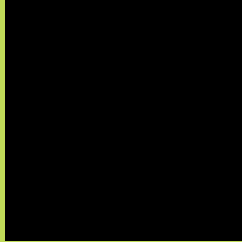
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5711, 62.0539, 18.6501

Background



This preview shows how black text looks on a background with the XYZ color 48.5711, 62.0539, 18.6501.



This preview shows how white text looks on a background with the XYZ color 48.5711, 62.0539,

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

48.5711, 62.0539, 18.6501

Protanopia

56.3441, 61.6215, 17.5188

Deuteranopia

63.0003, 61.5480, 19.1492



Tritanopia

60.3761, 61.6716, 77.1283

Trichromacy



Original Color

48.5711, 62.0539, 18.6501

Protanomaly

53.0452, 61.3640, 17.8528

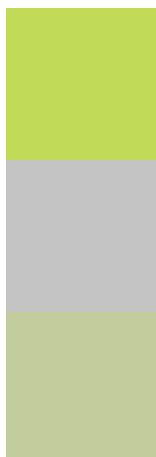
Deuteranomaly

56.8033, 61.1142, 18.9276

Tritanomaly

54.7004, 61.1746, 48.4600

Monochromacy



Original Color

48.5711, 62.0539, 18.6501

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.6048, 56.5815, 39.7594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5711, 62.0539, 18.6501 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(192, 218, 88)` looks like.

```
.text, #text, p{  
    color:rgb(192, 218, 88)  
}
```

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(192, 218, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 218, 88) }
```

Border

The CSS property to change the border of an element to XYZ 48.5711, 62.0539, 18.6501 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(192, 218, 88) }
```


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

```
.border{ border-color:rgb(192, 218, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 218, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 218, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 218, 88);  
box-shadow:4px 4px 4px 4px rgb(192, 218,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5711, 62.0539, 18.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 218, 88) }
```

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

```
.background{ background-color: rgb(192,  
218, 88) }
```

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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