

Converting Colors

XYZ(49.7494, 62.4761, 18.5410)

Have a look what the booklet for
XYZ(49.7494, 62.4761, 18.5410)
contains.

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Color

**XYZ(49.8177, 62.7012,
18.4937)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C5DA57 |
| RGB | 197, 218, 87 |
| RGB Percent | 77%, 85%, 34% |
| CMY | 0.2275, 0.1451, 0.6588 |
| CMYK | 0.10, 0.00, 0.60, 0.15 |
| HSL | 70°, 64%, 60% |
| HSV | 70°, 60%, 85% |
| XYZ | 49.8177, 62.7012, 18.4937 |
| YIQ | 196.7870, 29.5350, -45.1930 |

Conversions

Conversions Part 2

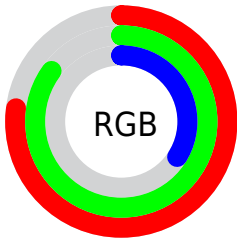
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 87, 218, 108 |
| Decimal | 12966487 |
| CIELab | 83.28, -24.82, 60.42 |
| CIElCh | 83, 65.318, 112.329 |
| Yxy | 62.7012, 0.3803, 0.4786 |
| Android (android.graphics.Color) | 4291156567 (0xFFC5DA57) |
| YUV | 196.7870, -54.1250, 0.1868 |
| Hunter-Lab | 79.1841, -26.2711, 41.5815 |

Details

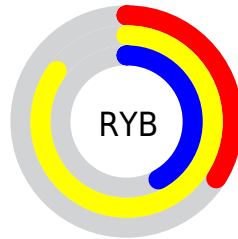
The XYZ color **49.8177, 62.7012, 18.4937** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.2496, 15.0680, 68.0690**, and the grayscale version is **53.2476, 56.0206, 61.0065**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **24.1342, 31.8585, 6.0397** is the 20% darker color. If you saturate the color by 10%, you get **48.1539, 61.9334, 14.4483**, and if you desaturate by 10%, it is **51.7746, 63.5932, 23.9588**.

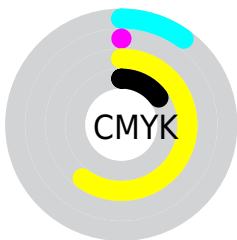
Distribution



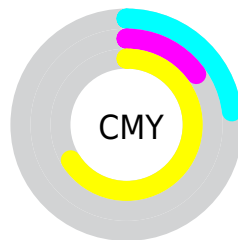
- Red (77%)
- Green (85%)
- Blue (34%)



- Red (34%)
- Yellow (85%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (15%)



- Cyan (23%)
- Magenta (15%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8177, 62.7012, 18.4937 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 49.8177, 62.7012, 18.4937 by changing the saturation by 10% instead.

■ 49.8177, 62.7012,
18.4937

■ 49.8177, 62.7012,
18.4937

376.4164,
434.4843, 255.9682

■ 35.4858, 45.5995,
11.1319

■ 89.0982, 108.7383,
41.7020

■ 24.2056, 31.9299,
6.0404

■ 114.7774,
138.4426, 58.3857

■ 15.6117, 21.3080,
2.8004

■ 144.9698,
173.1164, 79.0137

■ 9.3389, 13.3493,
0.9937

■ 180.0407,
213.1443, 104.0046

■ 5.0218, 7.6695,
0.0000

220.3554,
258.9107, 133.7770

■ 2.2949, 3.8842,
0.0000

266.2794,

■ 0.7921, 1.6090,

310.7999, 168.7493

0.0000

318.1779,
369.1963, 209.3402

■ 0.0000, 0.3637,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8177, 62.7012,
18.4937

■ 49.8177, 62.7012,
18.4937

■ 48.1539, 61.9334,
14.4483

■ 51.7746, 63.5932,
23.9588

■ 46.7536, 61.2712,
11.6868


■ 54.0422, 64.6097,
30.9552


■ 45.5884, 60.7054,
10.0537


■ 56.6419, 65.7615,
39.5881


■ 44.6129, 60.2189,
9.2721


■ 59.5918, 67.0559,
49.9521

 62.9086, 68.4995,
62.1346

 66.6080, 70.0988,
76.2172

 70.7046, 71.8594,
92.2766

 74.1631, 73.3674,
104.8603

 75.2639, 73.9349,
104.9118

Harmonies

Analogous

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



63.3128, 62.7012, 16.4162



49.8177, 62.7012, 18.4937



40.5005, 62.7012, 30.7822

Triad

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



49.8177, 62.7012, 18.4937



44.4263, 62.7012, 150.6946



90.9366, 62.7012, 79.2432

Complementary

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



49.8177, 62.7012, 18.4937



22.2496, 15.0680, 68.0690

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.



83.9097, 62.7012, 128.0341



49.8177, 62.7012, 18.4937



56.0268, 62.7012, 178.7041

Square

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



49.8177, 62.7012, 18.4937



37.7497, 62.7012, 102.4750



70.5759, 62.7012, 169.0805



88.5692, 62.7012, 42.6757

Rectangle

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



49.8177, 62.7012, 18.4937



37.1929, 62.7012, 47.1898



70.5759, 62.7012, 169.0805



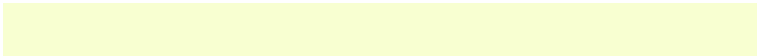
89.5607, 62.7012, 94.8476

Sweetspot

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



49.8192, 62.7040, 18.4950



85.8650, 96.0192, 74.3945



35.8572, 26.0378, 12.1536



18.0965, 20.4288, 14.9069



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.



49.8192, 62.7040, 18.4950



68.1367, 88.0779, 19.4383



36.4431, 55.8084, 17.8690



13.9465, 15.1527, 13.9153



26.8028, 36.1148, 5.5582



1.7925, 2.3686, 0.3627

Inverse Universe

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



22.2496, 15.0680, 68.0690



25.6776, 14.5350, 96.0599



33.1114, 20.6674, 68.5774



12.5322, 12.7170, 16.4462



8.0551, 3.2768, 39.9463



0.5833, 0.2440, 2.5908

Previews

White Background



This preview shows how the XYZ color 49.8177, 62.7012, 18.4937 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 49.8177, 62.7012, 18.4937 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 49.8177, 62.7012, 18.4937

Background



This preview shows how black text looks on a background with the XYZ color 49.8177, 62.7012, 18.4937.



This preview shows how white text looks on a background with the XYZ color 49.8177, 62.7012,

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

49.8177, 62.7012, 18.4937

Protanopia

56.8681, 62.2547, 17.4066

Deuteranopia

63.4584, 62.0934, 20.4450



Tritanopia

61.5080, 62.2551, 77.1812

Trichromacy



Original Color

49.8177, 62.7012, 18.4937

Protanomaly

54.1474, 62.3045, 17.7664

Deuteranomaly

57.8286, 61.9813, 19.7422

Tritanomaly

55.7005, 61.7013, 48.0035

Monochromacy



Original Color

49.8177, 62.7012, 18.4937

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.9431, 57.9673, 40.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8177, 62.7012, 18.4937 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(197, 218, 87)` looks like.

```
.text, #text, p{  
    color:rgb(197, 218, 87)  
}
```

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(197, 218, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 218, 87) }
```

Border

The CSS property to change the border of an element to XYZ 49.8177, 62.7012, 18.4937 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(197, 218, 87) }
```


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

```
.border{ border-color:rgb(197, 218, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 218, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 218, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 218, 87);  
box-shadow:4px 4px 4px 4px rgb(197, 218,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8177, 62.7012, 18.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 218, 87) }
```

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

```
.background{ background-color: rgb(197,  
218, 87) }
```

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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