

Converting Colors

XYZ(49.6669, 60.0796, 30.5940)

Have a look what the booklet for
XYZ(49.6669, 60.0796, 30.5940)
contains.

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Color

**XYZ(49.6325, 60.0631,
30.4502)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | C1D483 |
| RGB | 193, 212, 131 |
| RGB Percent | 76%, 83%, 51% |
| CMY | 0.2431, 0.1686, 0.4863 |
| CMYK | 0.09, 0.00, 0.38, 0.17 |
| HSL | 74°, 49%, 67% |
| HSV | 74°, 38%, 83% |
| XYZ | 49.6325, 60.0631, 30.4502 |
| YIQ | 197.0850, 14.6770, -29.2190 |

Conversions

Conversions Part 2

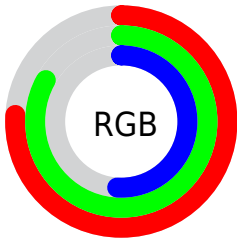
| Format | Color |
|-------------------------------------|---|
| RYB | 131, 212, 150 |
| Decimal | 12702851 |
| CIELab | 81.87, -19.23, 37.96 |
| CIELCh | 82, 42.549, 116.866 |
| Yxy | 60.0631, 0.3541, 0.4286 |
| Android (android.graphics.Color) | 4290892931 (0xFFC1D483) |
| YUV | 197.0850, -32.5799, -3.5825 |
| Hunter-Lab | 77.5004, -21.3114, 30.9550 |

Details

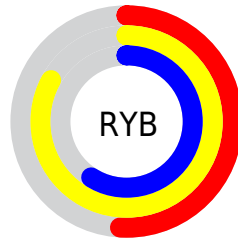
The XYZ color **49.6325, 60.0631, 30.4502** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.5801, 27.4718, 65.8762**, and the grayscale version is **53.3080, 56.0841, 61.0756**.

A 20% lighter version of the original color is **83.9413, 95.3468, 59.8785**, and **23.9862, 30.0964, 12.1344** is the 20% darker color. If you saturate the color by 10%, you get **47.0939, 58.9057, 23.5832**, and if you desaturate by 10%, it is **52.5108, 61.3655, 38.8701**.

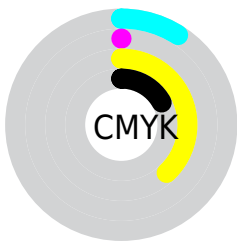
Distribution



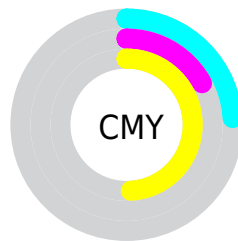
- Red (76%)
- Green (83%)
- Blue (51%)



- Red (51%)
- Yellow (83%)
- Blue (59%)



- Cyan (9%)
- Magenta (0%)
- Yellow (38%)
- Black (17%)





- Cyan (24%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6325, 60.0631, 30.4502 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 49.6325, 60.0631, 30.4502 by changing the saturation by 10% instead.


 49.6325, 60.0631,
30.4502

 49.6325, 60.0631,
30.4502


375.7028,
424.8303, 318.2697


 35.3381, 43.4695,
19.9256


 88.8252, 104.9212,
61.4428

 24.0912, 30.2537,
12.1574


 114.4542,
133.9545, 82.7479

 15.5264, 20.0312,
6.7272


 144.5921,
167.9031, 108.4836

 9.2783, 12.4177,
3.2162

179.6043,
207.1515, 139.0684

 4.9817, 7.0288,
1.2061

219.8561,
252.0840, 174.9209

 2.2712, 3.4801,
0.0000

265.7129,

 0.7799, 1.3872,

303.0850, 216.4596

0.0000

317.5400,
360.5390, 264.1030

■ 0.0000, 0.2073,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6325, 60.0631,
30.4502

■ 49.6325, 60.0631,
30.4502

■ 47.0939, 58.9057,
23.5832

■ 52.5108, 61.3655,
38.8701

■ 44.8720, 57.8778,
18.1702

■ 55.7412, 62.8116,
48.9262

■ 42.9479, 56.9738,
14.1069

■ 59.3410, 64.4105,
60.7002

■ 41.2983, 56.1844,
11.2736

■ 63.3248, 66.1680,
74.2675

■ 39.8962, 55.4988,
9.5293

■ 67.7064, 68.0898,
89.6988

■ 38.7016, 54.9008,
8.6662

■ 71.9785, 69.9729,
104.3202

■ 38.4987, 54.7986,
8.5481

■ 73.5323, 70.7740,
104.3929

■ 75.1316, 71.5984,
104.4678

■ 76.7766, 72.4465,
104.5447

Harmonies

Analogous

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



58.0377, 60.0631, 27.3952



49.6325, 60.0631, 30.4502



43.8107, 60.0631, 41.9140

Triad

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



49.6325, 60.0631, 30.4502



48.1575, 60.0631, 116.1871



76.1311, 60.0631, 68.1403

Complementary

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



49.6325, 60.0631, 30.4502



32.5801, 27.4718, 65.8762

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.



72.8090, 60.0631, 96.3364



49.6325, 60.0631, 30.4502



56.1491, 60.0631, 128.2745

Square

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



49.6325, 60.0631, 30.4502



43.0239, 60.0631, 90.3986



65.2554, 60.0631, 120.1993



73.9252, 60.0631, 45.4932

Rectangle

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



49.6325, 60.0631, 30.4502



41.8647, 60.0631, 54.7895



65.2554, 60.0631, 120.1993



75.6161, 60.0631, 77.2956

Sweetspot

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



49.6340, 60.0658, 30.4515



88.4783, 97.0964, 86.7150



42.1407, 37.4184, 26.4750



18.7753, 20.7104, 18.0252



0.0000, 0.0000, 0.0000



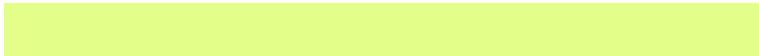
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6340, 60.0658, 30.4515



72.1555, 89.7551, 37.4525



40.7038, 55.4621, 30.0335



13.1748, 14.3663, 13.2393



23.8582, 33.8757, 5.2812



1.5096, 2.0796, 0.3218

Inverse Universe

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



32.5801, 27.4718, 65.8762



42.6587, 33.3341, 98.7935



41.3373, 31.9863, 66.2861



12.0126, 12.1479, 15.6492



8.2148, 3.3874, 38.6740



0.5698, 0.2426, 2.3361

Previews

White Background



This preview shows how the XYZ color 49.6325, 60.0631, 30.4502 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 49.6325, 60.0631, 30.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

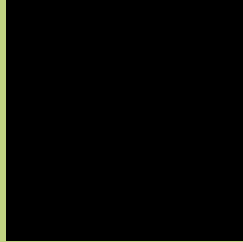
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6325, 60.0631, 30.4502

Background



This preview shows how black text looks on a background with the XYZ color 49.6325, 60.0631, 30.4502.



This preview shows how white text looks on a background with the XYZ color 49.6325, 60.0631,

30.4502.

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

49.6325, 60.0631, 30.4502

Protanopia

55.3764, 59.8000, 29.0460

Deuteranopia

60.9732, 59.5659, 31.2054



Tritanopia

58.5468, 60.0882, 74.1581

Trichromacy



Original Color

49.6325, 60.0631, 30.4502

Protanomaly

52.8977, 59.5765, 29.4803

Deuteranomaly

56.2411, 59.5021, 31.0751

Tritanomaly

54.7537, 59.9671, 55.1434

Monochromacy



Original Color

49.6325, 60.0631, 30.4502

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.4283, 56.9940, 47.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6325, 60.0631, 30.4502 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(193, 212, 131)` looks like.

```
.text, #text, p{  
    color:rgb(193, 212, 131)  
}
```

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(193, 212, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 212, 131) }
```

Border

The CSS property to change the border of an element to XYZ 49.6325, 60.0631, 30.4502 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(193, 212, 131) }
```


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

```
.border{ border-color:rgb(193, 212, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 212, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 212, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 212, 131);  
box-shadow:4px 4px 4px 4px rgb(193, 212,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6325, 60.0631, 30.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 212, 131) }
```

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

```
.background{ background-color: rgb(193,  
212, 131) }
```

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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