

Converting Colors

XYZ(33.4437, 25.6358, 15.8868)

Have a look what the booklet for
XYZ(33.4437, 25.6358, 15.8868)
contains.

| | |
|--|----|
| XYZ(33.4192, 25.5467, 16.0016) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(33.4192, 25.5467,
16.0016)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CD7067 |
| RGB | 205, 112, 103 |
| RGB Percent | 80%, 44%, 40% |
| CMY | 0.1961, 0.5608, 0.5961 |
| CMYK | 0.00, 0.45, 0.50, 0.20 |
| HSL | 5°, 50%, 60% |
| HSV | 5°, 50%, 80% |
| XYZ | 33.4192, 25.5467, 16.0016 |
| YIQ | 138.7810, 58.3170, 16.9170 |

Conversions

Conversions Part 2

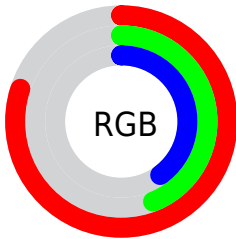
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 205, 113, 103 |
| Decimal | 13463655 |
| CIE Lab | 57.60, 35.64, 21.36 |
| CIE LCh | 58, 41.554, 30.933 |
| Yxy | 25.5467, 0.4458, 0.3408 |
| Android (android.graphics.Color) | 4291653735 (0xFFCD7067) |
| YUV | 138.7810, -17.6400, 58.0741 |
| Hunter-Lab | 50.5437, 29.5715, 16.6101 |

Details

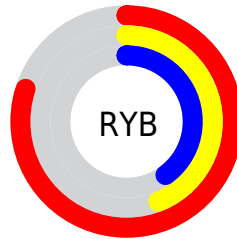
The XYZ color **33.4192, 25.5467, 16.0016** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.3519, 46.7691, 64.8689**, and the grayscale version is **24.5070, 25.7833, 28.0780**.

A 20% lighter version of the original color is **60.5279, 50.5034, 37.1298**, and **14.4152, 9.8261, 4.8782** is the 20% darker color. If you saturate the color by 10%, you get **30.6610, 21.4802, 10.6130**, and if you desaturate by 10%, it is **36.8589, 30.5728, 22.8622**.

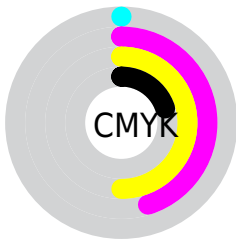
Distribution



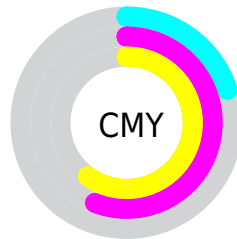
- Red (80%)
- Green (44%)
- Blue (40%)



- Red (80%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (45%)
- Yellow (50%)
- Black (20%)




- Cyan (20%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4192, 25.5467, 16.0016 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 33.4192, 25.5467, 16.0016 by changing the saturation by 10% instead.


 33.4192, 25.5467,
16.0016


 33.4192, 25.5467,
16.0016


309.1662,
280.5497, 241.1972


 22.6085, 16.4848,
9.3709


 64.3798, 52.5428,
37.3678

 14.4238, 9.8679,
4.8838


 85.2604, 71.2457,
52.9404

 8.4997, 5.3114,
2.1217


 110.2284, 93.9312,
72.3308

 4.4708, 2.4311,
0.6286

 139.6491,
120.9835, 95.9574

 1.9718, 0.8418,
0.0000

173.8878,
152.7872, 124.2388

 0.6180, 0.0000,
0.0000

213.3100,

 0.0000, 0.0000,

189.7265, 157.5935

0.0000

258.2810,
232.1859, 196.4401

■ 33.4192, 25.5467,
16.0016

■ 33.4192, 25.5467,
16.0016

■ 30.6610, 21.4802,
10.6130

■ 36.8589, 30.5728,
22.8622

■ 28.5371, 18.3084,
6.5874

■ 41.0196, 36.6100,
31.2904

■ 26.9969, 15.9648,
3.8026


■ 45.9397, 43.7110,
41.3754


■ 25.9814, 14.3717,
2.1142


■ 51.6547, 51.9236,
53.1992


■ 25.4050, 13.4310,
1.2678

■ 58.1976, 61.2926,
66.8385

 25.3947, 13.4149,
1.2509

 65.5996, 71.8605,
82.3652

 73.8902, 83.6675,
99.8474

 78.9868, 91.7191,
108.1483

Harmonies

Analogous

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



35.1250, 25.5467, 27.3733



33.4192, 25.5467, 16.0016



29.2179, 25.5467, 10.1161

Triad

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



33.4192, 25.5467, 16.0016



16.8603, 25.5467, 16.5408



24.4371, 25.5467, 65.0583

Complementary

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



33.4192, 25.5467, 16.0016



36.3519, 46.7691, 64.8689

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.



19.9348, 25.5467, 59.1869



33.4192, 25.5467, 16.0016



15.9364, 25.5467, 28.2635

Square

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



33.4192, 25.5467, 16.0016



19.6997, 25.5467, 10.3446



16.9825, 25.5467, 44.3589



29.5234, 25.5467, 58.4537

Rectangle

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



33.4192, 25.5467, 16.0016



25.8161, 25.5467, 8.6175



16.9825, 25.5467, 44.3589



22.8087, 25.5467, 64.4649

Sweetspot

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



33.4198, 25.5480, 16.0021



79.3584, 77.5097, 76.2535



40.0480, 26.6881, 55.5640



16.5674, 15.9884, 15.4565



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.



33.4198, 25.5480, 16.0021



49.8270, 34.5968, 16.6220



40.6337, 39.9757, 18.4067



11.2906, 11.3702, 11.6790



15.8392, 8.4114, 0.7887



0.8452, 0.4901, 0.0501

Inverse Universe

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



36.3519, 46.7691, 64.8689



55.1309, 73.2475, 105.8402



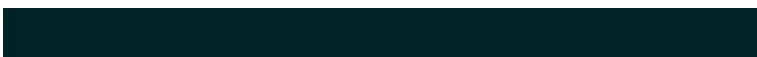
26.8151, 27.6955, 61.6900



11.4553, 12.5510, 14.3892



17.9455, 24.9150, 39.8195



0.9512, 1.3362, 2.0627

Previews

White Background



This preview shows how the XYZ color 33.4192, 25.5467, 16.0016 looks on a white background.

Color Contrast Check

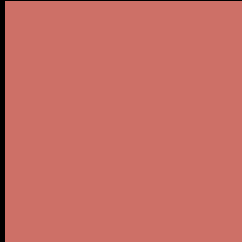
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4192, 25.5467, 16.0016 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 × Fail

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

XYZ 33.4192, 25.5467, 16.0016

Background



This preview shows how black text looks on a background with the XYZ color 33.4192, 25.5467, 16.0016.



This preview shows how white text looks on a background with the XYZ color 33.4192, 25.5467,

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

33.4192, 25.5467, 16.0016

Protanopia

24.3598, 25.9061, 19.9361

Deuteranopia

26.1567, 25.6752, 15.3816



Tritanopia

34.2995, 25.5817, 20.2695

Trichromacy



Original Color

33.4192, 25.5467, 16.0016

Protanomaly

26.8679, 25.1730, 18.4817

Deuteranomaly

28.4563, 25.2906, 15.4384

Tritanomaly

34.1187, 25.6829, 18.7818

Monochromacy



Original Color

33.4192, 25.5467, 16.0016

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.7204, 24.9934, 23.1546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4192, 25.5467, 16.0016 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(205, 112, 103)` looks like.

```
.text, #text, p{  
    color:rgb(205, 112, 103)  
}
```

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(205, 112, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 112, 103) }
```

Border

The CSS property to change the border of an element to XYZ 33.4192, 25.5467, 16.0016 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(205, 112, 103) }
```


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

```
.border{ border-color:rgb(205, 112, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 112, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 112, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 112, 103);  
box-shadow:4px 4px 4px 4px rgb(205, 112,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4192, 25.5467, 16.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 112, 103) }
```

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

```
.background{ background-color: rgb(205,  
112, 103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor