

Converting Colors

XYZ(25.7885, 16.4001, 3.6763)

Have a look what the booklet for
XYZ(25.7885, 16.4001, 3.6763)
contains.

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Color

**XYZ(25.7667, 16.4020,
3.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	C64526
RGB	198, 69, 38
RGB Percent	78%, 27%, 15%
CMY	0.2235, 0.7294, 0.8510
CMYK	0.00, 0.65, 0.81, 0.22
HSL	12°, 68%, 46%
HSV	12°, 81%, 78%
XYZ	25.7667, 16.4020, 3.6416
YIQ	104.0370, 86.8350, 17.7070

Conversions

Conversions Part 2

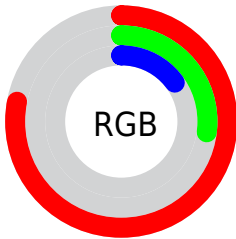
Format	Color
RYB	198, 76, 38
Decimal	12993830
CIELab	47.50, 49.90, 45.04
CIElCh	47, 67.225, 42.067
Yxy	16.4020, 0.5625, 0.3580
Android (android.graphics.Color)	4291183910 (0xFFC64526)
YUV	104.0370, -32.5562, 82.4056
Hunter-Lab	40.4994, 42.6922, 23.0184

Details

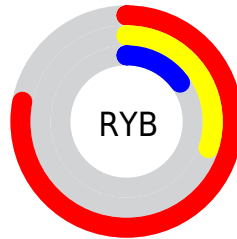
The XYZ color **25.7667, 16.4020, 3.6416** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **24.8096, 32.1238, 58.3186**, and the grayscale version is **13.2370, 13.9264, 15.1658**.

A 20% lighter version of the original color is **50.0027, 36.0978, 13.1362**, and **10.1642, 5.2559, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **24.6746, 14.6004, 2.0986**, and if you desaturate by 10%, it is **27.2935, 18.8017, 6.1671**.

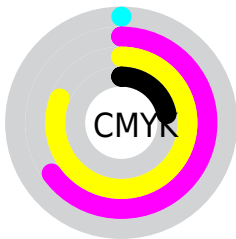
Distribution



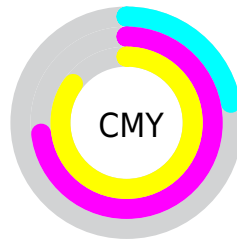
- Red (78%)
- Green (27%)
- Blue (15%)



- Red (78%)
- Yellow (30%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (22%)





- Cyan (22%)
- Magenta (73%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7667, 16.4020, 3.6416 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 25.7667, 16.4020, 3.6416 by changing the saturation by 10% instead.

 25.7667, 16.4020,
3.6416


 25.7667, 16.4020,
3.6416


273.9127,
231.7023, 144.1543


 16.7810, 9.8091,
1.4309


 52.3323, 37.2947,
13.1744


 10.1728, 5.2725,
0.1656


 70.6429, 52.3633,
21.3335

 5.5768, 2.4080,
0.0000

 92.7925, 71.0258,
32.3125

 2.6277, 0.8300,
0.0000

 119.1464, 93.6667,
46.5298

 0.9601, 0.0000,
0.0000

 150.0700,
120.6705, 64.4042

 0.0000, 0.0000,
0.0000

 185.9287,

152.4214, 86.3540

227.0878,
189.3038, 112.7979

25.7667, 16.4020,
3.6416

25.7667, 16.4020,
3.6416

24.6746, 14.6004,
2.0986

27.2935, 18.8017,
6.1671

23.9936, 13.4158,
1.3249

29.2967, 21.8446,
9.8053

31.8143, 25.5748,
14.6673

34.8796, 30.0314,
20.8500

38.5233, 35.2506,
28.4410

■ 42.7738, 41.2661,
37.5200

■ 47.6573, 48.1094,
48.1610

■ 53.1987, 55.8107,
60.4328

■ 59.4214, 64.3983,
74.4003

Harmonies

Analogous

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



29.7372, 16.4020, 11.8263



25.7667, 16.4020, 3.6416



19.4008, 16.4020, 1.2837

Triad

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



25.7667, 16.4020, 3.6416



7.0155, 16.4020, 9.5239



18.1166, 16.4020, 73.2158

Complementary

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



25.7667, 16.4020, 3.6416



24.8096, 32.1238, 58.3186

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.



12.3134, 16.4020, 71.0065



25.7667, 16.4020, 3.6416



6.8383, 16.4020, 25.6575

Square

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



25.7667, 16.4020, 3.6416



9.0902, 16.4020, 2.8776



8.5223, 16.4020, 50.2132



24.6221, 16.4020, 55.1061

Rectangle

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



25.7667, 16.4020, 3.6416



15.1789, 16.4020, 1.0299



8.5223, 16.4020, 50.2132



16.0077, 16.4020, 75.0380

Sweetspot

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



25.7671, 16.4030, 3.6419



72.9448, 69.1254, 60.4192



31.1118, 16.2441, 38.8678



15.0337, 13.9753, 11.6956



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.



25.7671, 16.4030, 3.6419



42.6761, 24.0652, 2.6154



34.1240, 33.1169, 6.4275



10.7975, 10.9642, 11.1100



15.6518, 8.8208, 0.8776



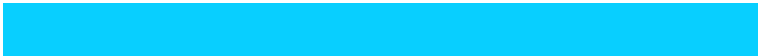
0.7922, 0.5199, 0.0586

Inverse Universe

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



24.8096, 32.1238, 58.3186



40.4741, 51.9260, 102.4973



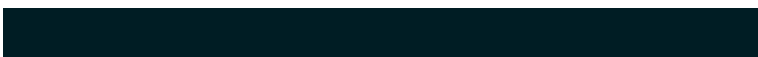
14.5371, 11.5788, 54.8944



10.7653, 11.7047, 13.6093



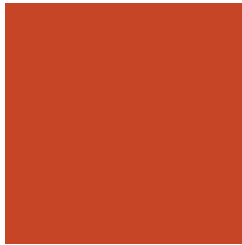
14.8221, 19.0382, 37.6379



0.7479, 0.9936, 1.7975

Previews

White Background



This preview shows how the XYZ color 25.7667, 16.4020, 3.6416 looks on a white 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

Black Background



This preview shows how the XYZ color 25.7667, 16.4020, 3.6416 looks on a black 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

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

XYZ 25.7667, 16.4020, 3.6416

Background



This preview shows how black text looks on a background with the XYZ color 25.7667, 16.4020, 3.6416.



This preview shows how white text looks on a background with the XYZ color 25.7667, 16.4020,

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

25.7667, 16.4020, 3.6416

Protanopia

15.1972, 16.7005, 5.4402

Deuteranopia

16.8767, 16.6393, 3.2995



Tritanopia

26.5177, 16.3524, 7.3889

Trichromacy



Original Color

25.7667, 16.4020, 3.6416

Protanomaly

17.8097, 15.6080, 4.6587

Deuteranomaly

19.3413, 15.8857, 3.2751

Tritanomaly

26.2651, 16.3440, 5.7734

Monochromacy



Original Color

25.7667, 16.4020, 3.6416

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.6703, 13.4646, 9.3624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7667, 16.4020, 3.6416 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(198, 69, 38)` looks like.

```
.text, #text, p{  
    color:rgb(198, 69, 38)  
}
```

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(198, 69, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 69, 38) }
```

Border

The CSS property to change the border of an element to XYZ 25.7667, 16.4020, 3.6416 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(198, 69, 38) }
```


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

```
.border{ border-color:rgb(198, 69, 38) }
```

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

Here you see how a box with a 4 pixel rgb(198, 69, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 69, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 69, 38);  
box-shadow:4px 4px 4px 4px rgb(198, 69,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7667, 16.4020, 3.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 69, 38) }
```

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

```
.background{ background-color: rgb(198, 69,  
38) }
```

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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