

Converting Colors

XYZ(33.8225, 24.5511, 4.8826)

Have a look what the booklet for
XYZ(33.8225, 24.5511, 4.8826)
contains.

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Color

**XYZ(33.8317, 24.5987,
4.8843)**

Conversions

Conversions Part 1

Format	Color
Hex	D96727
RGB	217, 103, 39
RGB Percent	85%, 40%, 15%
CMY	0.1490, 0.5960, 0.8471
CMYK	0.00, 0.53, 0.82, 0.15
HSL	22°, 70%, 50%
HSV	22°, 82%, 85%
XYZ	33.8317, 24.5987, 4.8843
YIQ	129.7900, 88.4880, 4.2640

Conversions

Conversions Part 2

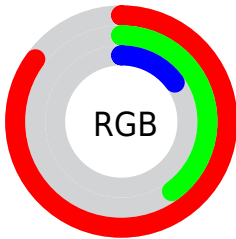
Format	Color
R _Y B	217, 139, 39
Decimal	14247719
CIE Lab	56.68, 41.06, 54.25
CIE LCh	57, 68.040, 52.877
Yxy	24.5987, 0.5343, 0.3885
Android (android.graphics.Color)	4292437799 (0xFFD96727)
YUV	129.7900, -44.7595, 76.4832
Hunter-Lab	49.5971, 34.9655, 28.8791

Details

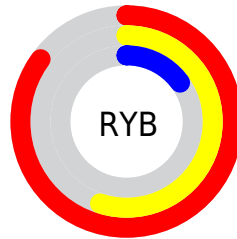
The XYZ color **33.8317, 24.5987, 4.8843** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **24.7512, 28.2213, 69.7878**, and the grayscale version is **21.2760, 22.3840, 24.3761**.

A 20% lighter version of the original color is **54.9739, 45.7751, 15.6109**, and **14.7456, 9.4245, 1.0419** is the 20% darker color. If you saturate the color by 10%, you get **32.3002, 21.9562, 3.0783**, and if you desaturate by 10%, it is **35.7995, 27.7856, 7.8491**.

Distribution



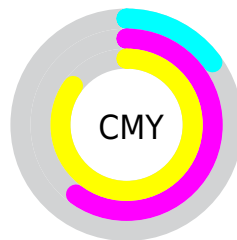
- Red (85%)
- Green (40%)
- Blue (15%)



- Red (85%)
- Yellow (55%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (60%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8317, 24.5987, 4.8843 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 33.8317, 24.5987, 4.8843 by changing the saturation by 10% instead.

 33.8317, 24.5987,
4.8843


 33.8317, 24.5987,
4.8843

310.9801,
275.8335, 157.5986


 22.9266, 15.7783,
2.1220


 65.0179, 51.0054,
16.0027


 14.6597, 9.3674,
0.6288


 86.0297, 69.3606,
25.1959

 8.6657, 4.9816,
0.0000


 111.1411, 91.6628,
37.3698

 4.5791, 2.2365,
0.0000

 140.7176,
118.2965, 52.9429

 2.0347, 0.7398,
0.0000

 175.1243,
149.6460, 72.3338

 0.6533, 0.0000,
0.0000

 214.7267,

 0.0000, 0.0000,

186.0957, 95.9610

0.0000

259.8902,
228.0301, 124.2431

■ 33.8317, 24.5987,
4.8843

■ 33.8317, 24.5987,
4.8843

■ 32.3002, 21.9562,
3.0783

■ 35.7995, 27.7856,
7.8491

■ 31.3416, 20.2047,
2.2480

■ 38.2430, 31.5462,
12.1363

■ 41.1982, 35.9118,
17.8840

■ 44.6967, 40.9100,
25.2121

■ 48.7672, 46.5665,
34.2283

■ 53.4363, 52.9055,
45.0305

■ 58.7286, 59.9498,
57.7092

■ 64.6674, 67.7210,
72.3486

■ 71.2748, 76.2399,
89.0278

Harmonies

Analogous

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



40.4111, 24.5987, 13.1515



33.8317, 24.5987, 4.8843



25.3205, 24.5987, 2.6281

Triad

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



33.8317, 24.5987, 4.8843



11.2881, 24.5987, 21.7303



29.8165, 24.5987, 90.4395

Complementary

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



33.8317, 24.5987, 4.8843



24.7512, 28.2213, 69.7878

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.



21.5419, 24.5987, 97.5861



33.8317, 24.5987, 4.8843



11.9663, 24.5987, 47.5761

Square

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



33.8317, 24.5987, 4.8843



13.2160, 24.5987, 8.1394



15.3391, 24.5987, 78.8024



37.7513, 24.5987, 62.6842

Rectangle

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



33.8317, 24.5987, 4.8843



20.1470, 24.5987, 2.7933



15.3391, 24.5987, 78.8024



26.9423, 24.5987, 95.7963

Sweetspot

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



33.8322, 24.6001, 4.8847



74.7621, 73.2138, 59.6259



35.2318, 18.5592, 32.6038



15.4914, 14.9773, 11.5808



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.



33.8322, 24.6001, 4.8847



45.3567, 29.4486, 3.4400



47.4597, 51.8549, 9.4272



13.4374, 13.8141, 13.6837



19.0640, 12.4136, 1.3913



1.3151, 0.9642, 0.1168

Inverse Universe

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



24.7512, 28.2213, 69.7878



31.5940, 34.2133, 99.5464



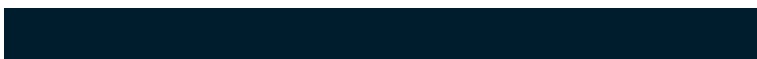
15.2918, 9.3027, 66.6347



13.0306, 14.0009, 16.6678



13.2712, 14.4119, 41.8207



0.9403, 1.0947, 2.7362

Previews

White Background



This preview shows how the XYZ color 33.8317, 24.5987, 4.8843 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 33.8317, 24.5987, 4.8843 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 33.8317, 24.5987, 4.8843

Background



This preview shows how black text looks on a background with the XYZ color 33.8317, 24.5987, 4.8843.



This preview shows how white text looks on a background with the XYZ color 33.8317, 24.5987,

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

33.8317, 24.5987, 4.8843

Protanopia

22.6160, 24.8770, 6.4061

Deuteranopia

25.0731, 24.5550, 4.5167



Tritanopia

36.2381, 24.7443, 15.6981

Trichromacy



Original Color

33.8317, 24.5987, 4.8843

Protanomaly

25.7118, 24.0868, 5.7767

Deuteranomaly

27.7162, 24.2286, 4.5823

Tritanomaly

35.1232, 24.5629, 10.4793

Monochromacy



Original Color

33.8317, 24.5987, 4.8843

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.7744, 21.9774, 14.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8317, 24.5987, 4.8843 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(217, 103, 39)` looks like.

```
.text, #text, p{  
    color:rgb(217, 103, 39)  
}
```

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(217, 103, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 103, 39) }
```

Border

The CSS property to change the border of an element to XYZ 33.8317, 24.5987, 4.8843 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(217, 103, 39) }
```


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

```
.border{ border-color:rgb(217, 103, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 103, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 103, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 103, 39);  
box-shadow:4px 4px 4px 4px rgb(217, 103,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8317, 24.5987, 4.8843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 103, 39) }
```

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

```
.background{ background-color: rgb(217,  
103, 39) }
```

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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