

Converting Colors

XYZ(34.7731, 25.6500, 8.1234)

Have a look what the booklet for
XYZ(34.7731, 25.6500, 8.1234)
contains.

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Color

**XYZ(34.8271, 25.6488,
8.1161)**

Conversions

Conversions Part 1

Format	Color
Hex	D96B41
RGB	217, 107, 65
RGB Percent	85%, 42%, 25%
CMY	0.1490, 0.5804, 0.7451
CMYK	0.00, 0.51, 0.70, 0.15
HSL	17°, 67%, 55%
HSV	17°, 70%, 85%
XYZ	34.8271, 25.6488, 8.1161
YIQ	135.1020, 79.0420, 10.2580

Conversions

Conversions Part 2

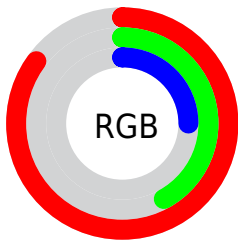
Format	Color
RYB	217, 123, 65
Decimal	14248769
CIELab	57.70, 40.11, 42.90
CIElCh	58, 58.731, 46.927
Yxy	25.6488, 0.5077, 0.3739
Android (android.graphics.Color)	4292438849 (0xFFD96B41)
YUV	135.1020, -34.5603, 71.8245
Hunter-Lab	50.6446, 34.1220, 25.9497

Details

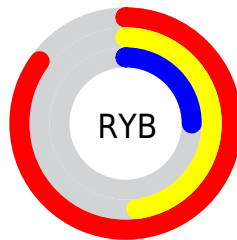
The XYZ color **34.8271, 25.6488, 8.1161** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.0330, 36.7908, 71.1636**, and the grayscale version is **23.1716, 24.3783, 26.5480**.

A 20% lighter version of the original color is **56.9053, 47.6394, 22.4157**, and **15.2337, 9.9399, 1.6880** is the 20% darker color. If you saturate the color by 10%, you get **32.8238, 22.4626, 4.9203**, and if you desaturate by 10%, it is **37.3702, 29.5290, 12.6829**.

Distribution



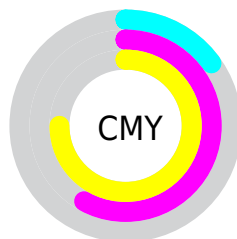
- Red (85%)
- Green (42%)
- Blue (25%)



- Red (85%)
- Yellow (48%)
- Blue (25%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (15%)





- Cyan (15%)
- Magenta (58%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8271, 25.6488, 8.1161 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 34.8271, 25.6488, 8.1161 by changing the saturation by 10% instead.


 34.8271, 25.6488,
8.1161


 34.8271, 25.6488,
8.1161


315.3259,
281.0538, 186.6083


 23.6956, 16.5611,
4.0805


 66.5536, 52.7078,
22.7357

 15.2315, 9.9221,
1.6696


 87.8794, 71.4479,
34.1567

 9.0694, 5.3473,
0.3398


 113.3339, 94.1743,
48.8766

 4.8439, 2.4524,
0.0000

 143.2826,
121.2713, 67.3139

 2.1898, 0.8527,
0.0000

 178.0908,
153.1234, 89.8872

 0.7374, 0.0000,
0.0000

218.1238,

 0.0000, 0.0000,

190.1149, 117.0150

0.0000

263.7471,
232.6302, 149.1159

■ 34.8271, 25.6488,
8.1161

■ 34.8271, 25.6488,
8.1161

■ 32.8238, 22.4626,
4.9203

■ 37.3702, 29.5290,
12.6829

■ 31.3131, 19.9221,
2.9340

■ 40.4911, 34.1386,
18.7548

■ 30.2294, 17.9802,
1.8773

■ 44.2259, 39.5156,
26.4509

■ 48.6071, 45.6937,
35.8782

■ 53.6648, 52.7049,
47.1343

■ 59.4272, 60.5791,
60.3095

■ 65.9208, 69.3447,
75.4883

■ 73.1706, 79.0290,
92.7499

■ 80.3352, 89.3118,
107.6125

Harmonies

Analogous

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



39.7362, 25.6488, 18.1020



34.8271, 25.6488, 8.1161



27.5664, 25.6488, 4.6411

Triad

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



34.8271, 25.6488, 8.1161



13.4374, 25.6488, 20.0522



28.5308, 25.6488, 83.7666

Complementary

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



34.8271, 25.6488, 8.1161



30.0330, 36.7908, 71.1636

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.



21.4462, 25.6488, 85.1763



34.8271, 25.6488, 8.1161



13.5962, 25.6488, 40.7867

Square

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



34.8271, 25.6488, 8.1161



15.7754, 25.6488, 8.9512



16.2614, 25.6488, 66.8384



35.6491, 25.6488, 63.5974

Rectangle

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



34.8271, 25.6488, 8.1161



22.7838, 25.6488, 4.4266



16.2614, 25.6488, 66.8384



26.0457, 25.6488, 86.7015

Sweetspot

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



34.8277, 25.6502, 8.1165



76.4554, 74.7377, 65.9325



38.3881, 21.6854, 43.4791



15.9153, 15.3764, 13.1051



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.



34.8277, 25.6502, 8.1165



46.1936, 30.5323, 5.5382



46.2017, 48.3982, 11.9079



13.3475, 13.6343, 13.6538



18.3759, 11.0373, 1.1619



1.2621, 0.8584, 0.0992

Inverse Universe

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



30.0330, 36.7908, 71.1636



38.6522, 47.0786, 101.6576



19.3065, 15.3378, 67.5881



13.1248, 14.1894, 16.6992



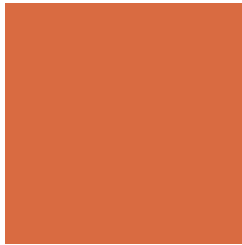
14.9760, 17.8215, 42.3890



1.0410, 1.2962, 2.7698

Previews

White Background



This preview shows how the XYZ color 34.8271, 25.6488, 8.1161 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 34.8271, 25.6488, 8.1161 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 34.8271, 25.6488, 8.1161

Background



This preview shows how black text looks on a background with the XYZ color 34.8271, 25.6488, 8.1161.



This preview shows how white text looks on a background with the XYZ color 34.8271, 25.6488,

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

34.8271, 25.6488, 8.1161

Protanopia

23.6395, 25.7455, 10.3801

Deuteranopia

26.2743, 25.7025, 7.7140



Tritanopia

36.7251, 25.6669, 17.4866

Trichromacy



Original Color

34.8271, 25.6488, 8.1161

Protanomaly

26.6312, 24.8638, 9.3568

Deuteranomaly

28.9115, 25.3217, 7.7786

Tritanomaly

35.8395, 25.5964, 13.4076

Monochromacy



Original Color

34.8271, 25.6488, 8.1161

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.6651, 23.7924, 17.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8271, 25.6488, 8.1161 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, 107, 65)` looks like.

```
.text, #text, p{  
    color:rgb(217, 107, 65)  
}
```

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, 107, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 107, 65) }
```

Border

The CSS property to change the border of an element to XYZ 34.8271, 25.6488, 8.1161 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, 107, 65) }
```


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

```
.border{ border-color:rgb(217, 107, 65) }
```

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

Here you see how a box with a 4 pixel rgb(217, 107, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 107, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 107, 65);  
box-shadow:4px 4px 4px 4px rgb(217, 107,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8271, 25.6488, 8.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 107, 65) }
```

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

```
.background{ background-color: rgb(217,  
107, 65) }
```

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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