

Converting Colors

XYZ(33.8267, 27.7364, 5.0843)

Have a look what the booklet for
XYZ(33.8267, 27.7364, 5.0843)
contains.

XYZ(33.8266, 27.7362, 5.0841)	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(33.8266, 27.7362,
5.0841)**

Conversions

Conversions Part 1

Format	Color
Hex	D27A22
RGB	210, 122, 34
RGB Percent	82%, 48%, 13%
CMY	0.1765, 0.5215, 0.8667
CMYK	0.00, 0.42, 0.84, 0.18
HSL	30°, 72%, 48%
HSV	30°, 84%, 82%
XYZ	33.8266, 27.7362, 5.0841
YIQ	138.2800, 80.6960, -8.7120

Conversions

Conversions Part 2

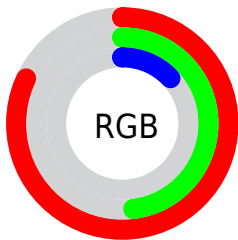
Format	Color
RYB	210, 210, 34
Decimal	13793826
CIELab	59.65, 28.26, 58.41
CIELCh	60, 64.886, 64.185
Yxy	27.7362, 0.5075, 0.4162
Android (android.graphics.Color)	4291983906 (0xFFD27A22)
YUV	138.2800, -51.4100, 62.8984
Hunter-Lab	52.6652, 22.4857, 31.1420

Details

The XYZ color **33.8266, 27.7362, 5.0841** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.2515, 18.9112, 63.6079**, and the grayscale version is **24.4341, 25.7066, 27.9945**.

A 20% lighter version of the original color is **58.2903, 52.6081, 16.0990**, and **14.7118, 11.0243, 1.3525** is the 20% darker color. If you saturate the color by 10%, you get **32.3907, 25.2104, 3.5398**, and if you desaturate by 10%, it is **35.5878, 30.6174, 7.6488**.

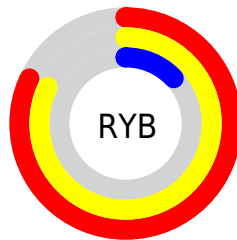
Distribution



Red (82%)

Green (48%)

Blue (13%)



Red (82%)

Yellow (82%)

Blue (13%)

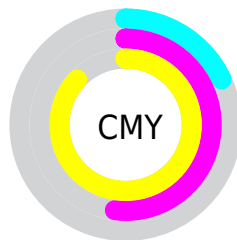


Cyan (0%)

Magenta (42%)

Yellow (84%)

Black (18%)



Cyan (18%)

Magenta (52%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8266, 27.7362, 5.0841 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 33.8266, 27.7362, 5.0841 by changing the saturation by 10% instead.

33.8266, 27.7362,
5.0841

33.8266, 27.7362,
5.0841

310.9577,
291.2042, 159.6051

22.9227, 18.1269,
2.2371

65.0100, 56.0630,
16.4415

14.6568, 11.0411,
0.6957

86.0202, 75.5493,
25.7890

8.6636, 6.0945,
0.0000

111.1299, 99.0967,
38.1404

4.5778, 2.9026,
0.0000

140.7044,
127.0896, 53.9143

2.0339, 1.0811,
0.0000

175.1090,
159.9124, 73.5292

0.6529, 0.0000,
0.0000

214.7093,

0.0000, 0.0000,

197.9495, 97.4035

0.0000

259.8704,
241.5853, 125.9560

■ 33.8266, 27.7362,
5.0841

■ 33.8266, 27.7362,
5.0841

■ 32.3907, 25.2104,
3.5398

■ 35.5878, 30.6174,
7.6488

■ 31.6303, 23.8059,
2.9279

■ 37.7059, 33.8698,
11.3882

■ 40.2099, 37.5126,
16.4312

■ 43.1244, 41.5618,
22.8896

■ 46.4719, 46.0325,
30.8628

■ 50.2729, 50.9386,
40.4412

■ 54.5466, 56.2932,
51.7080

■ 59.3106, 62.1090,
64.7407

■ 64.5819, 68.3978,
79.6118

Harmonies

Analogous

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



41.6416, 27.7362, 11.2947



33.8266, 27.7362, 5.0841



25.2304, 27.7362, 3.8628

Triad

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



33.8266, 27.7362, 5.0841



13.5756, 27.7362, 33.6104



36.2305, 27.7362, 84.9327

Complementary

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



33.8266, 27.7362, 5.0841



19.2515, 18.9112, 63.6079

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.



27.5278, 27.7362, 101.1428



33.8266, 27.7362, 5.0841



15.3692, 27.7362, 63.2627

Square

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



33.8266, 27.7362, 5.0841



14.5815, 27.7362, 14.5179



20.0860, 27.7362, 91.6567



43.2190, 27.7362, 54.3859

Rectangle

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



33.8266, 27.7362, 5.0841



20.4262, 27.7362, 4.9207



20.0860, 27.7362, 91.6567



33.3499, 27.7362, 92.7968

Sweetspot

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



33.8272, 27.7377, 5.0846



77.0931, 77.8758, 60.4029



30.6632, 16.2509, 19.9333



16.0431, 16.0806, 11.7646



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.



33.8272, 27.7377, 5.0846



48.8951, 36.5702, 4.4817



49.9133, 59.9099, 10.4466



12.2901, 12.7709, 12.4293



19.3948, 14.7225, 1.8195



1.1638, 0.9819, 0.1282

Inverse Universe

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



19.2515, 18.9112, 63.6079



25.7031, 22.5262, 97.6010



12.8647, 6.1374, 61.4789



11.6450, 12.3803, 15.0195



10.2775, 9.2015, 38.4269



0.6540, 0.6732, 2.1750

Previews

White Background



This preview shows how the XYZ color 33.8266, 27.7362, 5.0841 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 33.8266, 27.7362, 5.0841 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 33.8266, 27.7362, 5.0841

Background



This preview shows how black text looks on a background with the XYZ color 33.8266, 27.7362, 5.0841.



This preview shows how white text looks on a background with the XYZ color 33.8266, 27.7362,

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

33.8266, 27.7362, 5.0841

Protanopia

25.2566, 27.7811, 6.0386

Deuteranopia

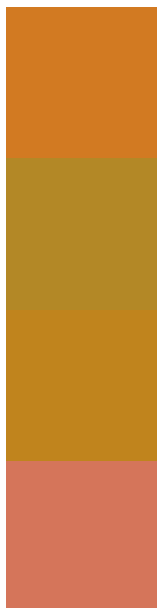
28.4235, 27.9110, 4.8666



Tritanopia

37.2617, 27.7359, 21.8020

Trichromacy



Original Color

33.8266, 27.7362, 5.0841

Protanomaly

27.7444, 27.3320, 5.6470

Deuteranomaly

30.2113, 27.7977, 4.9356

Tritanomaly

35.6473, 27.6069, 13.1227

Monochromacy



Original Color

33.8266, 27.7362, 5.0841

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.8614, 25.3151, 15.5799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8266, 27.7362, 5.0841 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(210, 122, 34)` looks like.

```
.text, #text, p{  
    color:rgb(210, 122, 34)  
}
```

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(210, 122, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 122, 34) }
```

Border

The CSS property to change the border of an element to XYZ 33.8266, 27.7362, 5.0841 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(210, 122, 34) }
```


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

```
.border{ border-color:rgb(210, 122, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 122, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 122, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 122, 34);  
box-shadow:4px 4px 4px 4px rgb(210, 122,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8266, 27.7362, 5.0841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 122, 34) }
```

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

```
.background{ background-color: rgb(210,  
122, 34) }
```

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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