

Converting Colors

XYZ(33.3213, 27.8657, 4.1527)

Have a look what the booklet for
XYZ(33.3213, 27.8657, 4.1527)
contains.

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Color

**XYZ(33.3213, 27.8657,
4.1527)**

Conversions

Conversions Part 1

Format	Color
Hex	D07C11
RGB	208, 124, 17
RGB Percent	82%, 49%, 7%
CMY	0.1843, 0.5137, 0.9333
CMYK	0.00, 0.40, 0.92, 0.18
HSL	34°, 85%, 44%
HSV	34°, 92%, 82%
XYZ	33.3213, 27.8657, 4.1527
YIQ	136.9180, 84.4110, -15.4690

Conversions

Conversions Part 2

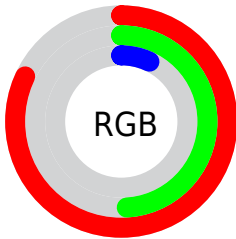
Format	Color
R_{YB}	167, 208, 17
Decimal	13663249
CIE _{Lab}	59.77, 25.98, 63.31
CIE _{LCh}	60, 68.433, 67.693
Yxy	27.8657, 0.5100, 0.4265
Android (android.graphics.Color)	4291853329 (0xFFD07C11)
YUV	136.9180, -59.1196, 62.3389
Hunter-Lab	52.7880, 20.2954, 32.2874

Details

The XYZ color **33.3213, 27.8657, 4.1527** 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 **16.2700, 13.9805, 61.5151**, and the grayscale version is **23.9419, 25.1888, 27.4306**.

A 20% lighter version of the original color is **58.2666, 53.2261, 14.0402**, and **14.4814, 11.1006, 1.3794** is the 20% darker color. If you saturate the color by 10%, you get **32.3186, 26.0226, 3.3195**, and if you desaturate by 10%, it is **34.7675, 30.3656, 5.8460**.

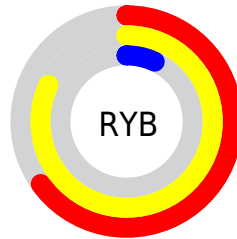
Distribution



Red (82%)

Green (49%)

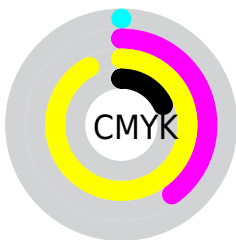
Blue (7%)



Red (65%)

Yellow (82%)

Blue (7%)

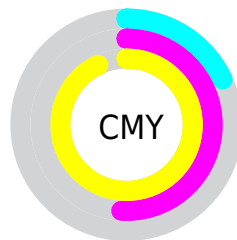


Cyan (0%)

Magenta (40%)

Yellow (92%)

Black (18%)



Cyan (18%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3213, 27.8657, 4.1527 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 33.3213, 27.8657, 4.1527 by changing the saturation by 10% instead.


 33.3213, 27.8657,
4.1527


 33.3213, 27.8657,
4.1527


308.7345,
291.8246, 149.9078


 22.5331, 18.2244,
1.7095


 64.2282, 56.2700,
14.3604

 14.3679, 11.1112,
0.3672


 85.0775, 75.8017,
22.9620

 8.4604, 6.1417,
0.0000


 110.0114, 99.3992,
34.4535

 4.4452, 2.9314,
0.0000

 139.3950,
127.4466, 49.2534

 1.9570, 1.0960,
0.0000

 173.5937,
160.3285, 67.7802

 0.6096, 0.0000,
0.0000

 212.9730,

 0.0000, 0.0000,

198.4292, 90.4525

0.0000

257.8981,
242.1331, 117.6889

33.3213, 27.8657,
4.1527

33.3213, 27.8657,
4.1527

32.3186, 26.0226,
3.3195

34.7675, 30.3656,
5.8460

36.5093, 33.1571,
8.5600

38.5772, 36.2579,
12.4400

40.9967, 39.6823,
17.6076

43.7902, 43.4433,
24.1684

■ 46.9781, 47.5528,
32.2173

■ 50.5789, 52.0221,
41.8408

■ 54.6098, 56.8616,
53.1185

■ 59.0871, 62.0814,
66.1247

Harmonies

Analogous

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



41.9657, 27.8657, 9.5276



33.3213, 27.8657, 4.1527



24.3188, 27.8657, 3.3735

Triad

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



33.3213, 27.8657, 4.1527



13.1749, 27.8657, 37.1817



38.0254, 27.8657, 85.8751

Complementary

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



33.3213, 27.8657, 4.1527



16.2700, 13.9805, 61.5151

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.



28.7773, 27.8657, 106.3718



33.3213, 27.8657, 4.1527



15.3745, 27.8657, 69.8308

Square

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



33.3213, 27.8657, 4.1527



13.8752, 27.8657, 15.6020



20.6550, 27.8657, 99.2898



45.0681, 27.8657, 52.2780

Rectangle

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



33.3213, 27.8657, 4.1527



19.4770, 27.8657, 4.6761



20.6550, 27.8657, 99.2898



35.0009, 27.8657, 95.1748

Sweetspot

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



33.3219, 27.8672, 4.1532



76.3982, 77.8007, 56.1183



28.6586, 14.7892, 14.1637



15.8418, 16.0103, 10.6737



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.



33.3219, 27.8672, 4.1532



51.0413, 40.8625, 5.1971



46.0644, 57.2189, 9.1471



12.3502, 12.8911, 12.4493



20.2406, 16.4143, 2.1015



1.2101, 1.0745, 0.1436

Inverse Universe

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



16.2700, 13.9805, 61.5151



23.8598, 18.8396, 96.9866



12.0260, 5.1821, 60.0405



11.5854, 12.2610, 14.9996



9.5455, 7.7377, 38.1829



0.6121, 0.5895, 2.1611

Previews

White Background



This preview shows how the XYZ color 33.3213, 27.8657, 4.1527 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 33.3213, 27.8657, 4.1527 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 33.3213, 27.8657, 4.1527

Background



This preview shows how black text looks on a background with the XYZ color 33.3213, 27.8657, 4.1527.



This preview shows how white text looks on a background with the XYZ color 33.3213, 27.8657,

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

33.3213, 27.8657, 4.1527

Protanopia

25.3945, 28.1033, 4.9502

Tritanopia

37.2094, 27.8628, 22.4857

Trichromacy



Original Color

33.3213, 27.8657, 4.1527

Protanomaly

27.6714, 27.5292, 4.5647

Tritanomaly

34.9821, 27.4616, 12.0512

Monochromacy



Original Color

33.3213, 27.8657, 4.1527

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3313, 25.0794, 13.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3213, 27.8657, 4.1527 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(208, 124, 17)` looks like.

```
.text, #text, p{  
    color:rgb(208, 124, 17)  
}
```

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(208, 124, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 124, 17) }
```

Border

The CSS property to change the border of an element to XYZ 33.3213, 27.8657, 4.1527 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(208, 124, 17) }
```

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

```
.border{ border-color:rgb(208, 124, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 124, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 124, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 124, 17);  
box-shadow:4px 4px 4px 4px rgb(208, 124,  
17) }
```


Background

The CSS property to change the background color of an element to XYZ 33.3213, 27.8657, 4.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 124, 17) }
```

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

```
.background{ background-color: rgb(208,  
124, 17) }
```

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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