

Converting Colors

XYZ(32.1426, 27.1111, 4.2196)

Have a look what the booklet for
XYZ(32.1426, 27.1111, 4.2196)
contains.

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Color

**XYZ(32.1111, 27.0538,
4.1913)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7B14
RGB	204, 123, 20
RGB Percent	80%, 48%, 8%
CMY	0.2000, 0.5176, 0.9215
CMYK	0.00, 0.40, 0.90, 0.20
HSL	34°, 82%, 44%
HSV	34°, 90%, 80%
XYZ	32.1111, 27.0538, 4.1913
YIQ	135.4770, 81.3390, -14.8610

Conversions

Conversions Part 2

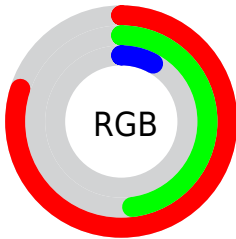
Format	Color
R_{YB}	165, 204, 20
Decimal	13400852
CIE _{Lab}	59.02, 24.86, 61.82
CIE _{LCh}	59, 66.633, 68.096
Yxy	27.0538, 0.5068, 0.4270
Android (android.graphics.Color)	4291590932 (0xFFCC7B14)
YUV	135.4770, -56.9302, 60.0947
Hunter-Lab	52.0133, 19.1762, 31.6316

Details

The XYZ color **32.1111, 27.0538, 4.1913** 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 **15.8412, 13.8156, 58.9581**, and the grayscale version is **23.3917, 24.6099, 26.8002**.

A 20% lighter version of the original color is **58.1405, 52.8607, 14.3465**, and **13.9504, 10.8269, 1.3545** is the 20% darker color. If you saturate the color by 10%, you get **30.9415, 24.9170, 3.1787**, and if you desaturate by 10%, it is **33.5410, 29.4920, 5.9686**.

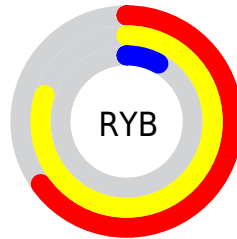
Distribution



Red (80%)

Green (48%)

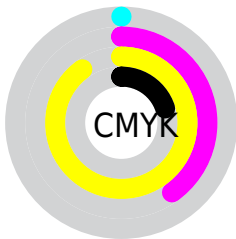
Blue (8%)



Red (65%)

Yellow (80%)

Blue (8%)

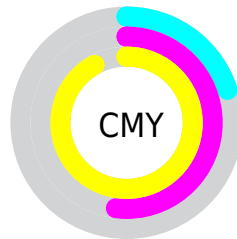


Cyan (0%)

Magenta (40%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (52%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1111, 27.0538, 4.1913 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 32.1111, 27.0538, 4.1913 by changing the saturation by 10% instead.


 32.1111, 27.0538,
4.1913


 32.1111, 27.0538,
4.1913


303.3613,
287.9175, 150.3285


 21.6023, 17.6136,
1.7309


 62.3492, 54.9702,
14.4486

 13.6800, 10.6730,
0.3818


 82.8093, 74.2152,
23.0826

 7.9786, 5.8474,
0.0000


 107.3172, 97.4973,
34.6114

 4.1330, 2.7525,
0.0000

 136.2383,
125.2008, 49.4538

 1.7776, 1.0039,
0.0000

 169.9379,
157.7102, 68.0281

 0.5041, 0.0000,
0.0000

 208.7813,

 0.0000, 0.0000,

195.4099, 90.7530

0.0000

253.1340,
238.6842, 118.0469

32.1111, 27.0538,
4.1913

32.1111, 27.0538,
4.1913

30.9415, 24.9170,
3.1787

33.5410, 29.4920,
5.9686

35.2586, 32.2118,
8.7466

37.2923, 35.2299,
12.6596

39.6658, 38.5596,
17.8201

42.4001, 42.2131,
24.3273

■ 45.5143, 46.2017,
32.2700

■ 49.0258, 50.5360,
41.7294

■ 52.9509, 55.2259,
52.7806

■ 57.3049, 60.2810,
65.4938

Harmonies

Analogous

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



40.3611, 27.0538, 9.3515



32.1111, 27.0538, 4.1913



23.5397, 27.0538, 3.4657

Triad

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



32.1111, 27.0538, 4.1913



12.9691, 27.0538, 36.3441



36.8203, 27.0538, 81.7682

Complementary

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



32.1111, 27.0538, 4.1913



15.8412, 13.8156, 58.9581

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.



28.0179, 27.0538, 101.4179



32.1111, 27.0538, 4.1913



15.1235, 27.0538, 67.4154

Square

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



32.1111, 27.0538, 4.1913



13.6059, 27.0538, 15.5290



20.2282, 27.0538, 95.0953



43.4605, 27.0538, 49.9120

Rectangle

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



32.1111, 27.0538, 4.1913



18.9310, 27.0538, 4.7835



20.2282, 27.0538, 95.0953



33.9495, 27.0538, 90.6283

Sweetspot

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



32.1117, 27.0552, 4.1918



76.9610, 78.4959, 57.6330



27.5902, 14.3131, 14.0887



16.0615, 16.2866, 11.2498



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.



32.1117, 27.0552, 4.1918



51.0250, 40.8299, 5.1917



44.1730, 54.8114, 8.9136



11.7245, 12.2379, 11.8236



19.5692, 15.8714, 2.0321



1.0844, 0.9685, 0.1298

Inverse Universe

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



15.8412, 13.8156, 58.9581



23.8718, 18.8636, 96.9906



11.6618, 5.1243, 57.5008



11.0013, 11.6431, 14.2379



9.2401, 7.5042, 36.9177



0.5518, 0.5374, 1.9296

Previews

White Background



This preview shows how the XYZ color 32.1111, 27.0538, 4.1913 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 32.1111, 27.0538, 4.1913 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 32.1111, 27.0538, 4.1913

Background



This preview shows how black text looks on a background with the XYZ color 32.1111, 27.0538, 4.1913.



This preview shows how white text looks on a background with the XYZ color 32.1111, 27.0538,

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

32.1111, 27.0538, 4.1913

Protanopia

24.7069, 27.2966, 4.9439

Deuteranopia

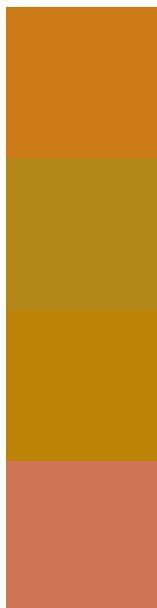
27.4864, 27.0312, 3.7689



Tritanopia

35.8870, 27.0200, 22.0628

Trichromacy



Original Color

32.1111, 27.0538, 4.1913

Protanomaly

27.1005, 27.0214, 4.6515

Deuteranomaly

29.1409, 27.0668, 3.8895

Tritanomaly

33.7731, 26.6599, 12.1699

Monochromacy



Original Color

32.1111, 27.0538, 4.1913

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.5893, 24.4965, 13.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1111, 27.0538, 4.1913 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(204, 123, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 123, 20)  
}
```

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(204, 123, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 123, 20) }
```

Border

The CSS property to change the border of an element to XYZ 32.1111, 27.0538, 4.1913 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(204, 123, 20) }
```


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

```
.border{ border-color:rgb(204, 123, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 123, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 123, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 123, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 123,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1111, 27.0538, 4.1913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 123, 20) }
```

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

```
.background{ background-color: rgb(204,  
123, 20) }
```

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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