

Converting Colors

XYZ(34.8443, 27.1929, 5.8310)

Have a look what the booklet for
XYZ(34.8443, 27.1929, 5.8310)
contains.

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Color

**XYZ(34.7243, 27.1197,
5.7873)**

Conversions

Conversions Part 1

Format	Color
Hex	D7742C
RGB	215, 116, 44
RGB Percent	84%, 45%, 17%
CMY	0.1569, 0.5451, 0.8274
CMYK	0.00, 0.46, 0.80, 0.16
HSL	25°, 68%, 51%
HSV	25°, 80%, 84%
XYZ	34.7243, 27.1197, 5.7873
YIQ	137.3930, 82.1160, -1.4040

Conversions

Conversions Part 2

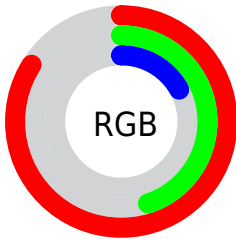
Format	Color
RYB	215, 168, 44
Decimal	14119980
CIELab	59.08, 33.80, 54.26
CIELCh	59, 63.924, 58.082
Yxy	27.1197, 0.5134, 0.4010
Android (android.graphics.Color)	4292310060 (0xFFD7742C)
YUV	137.3930, -46.0427, 68.0613
Hunter-Lab	52.0766, 27.8885, 29.8647

Details

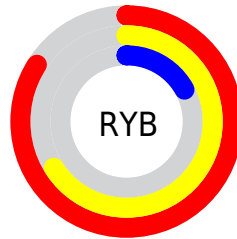
The XYZ color **34.7243, 27.1197, 5.7873** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **23.1260, 25.0850, 67.9124**, and the grayscale version is **24.0749, 25.3286, 27.5829**.

A 20% lighter version of the original color is **57.4935, 50.4622, 17.5364**, and **15.2746, 10.7665, 1.2731** is the 20% darker color. If you saturate the color by 10%, you get **33.0799, 24.3191, 3.7353**, and if you desaturate by 10%, it is **36.7713, 30.3913, 9.0057**.

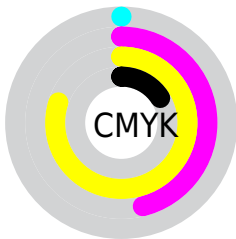
Distribution



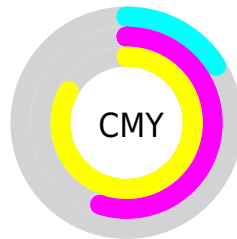
- Red (84%)
- Green (45%)
- Blue (17%)



- Red (84%)
- Yellow (66%)
- Blue (17%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7243, 27.1197, 5.7873 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 34.7243, 27.1197, 5.7873 by changing the saturation by 10% instead.


 34.7243, 27.1197,
5.7873


 34.7243, 27.1197,
5.7873


314.8791,
288.2362, 166.3972


 23.6161, 17.6631,
2.6495


 66.3953, 55.0759,
17.9578


 15.1723, 10.7084,
0.9178


 87.6888, 74.3443,
27.8275

 9.0275, 5.8711,
0.0000


 113.1081, 97.6521,
40.7783

 4.8164, 2.7669,
0.0000

 143.0185,
125.3838, 57.2287

 2.1736, 1.0113,
0.0000

 177.7855,
157.9236, 77.5973

 0.7288, 0.0000,
0.0000

 217.7744,

 0.0000, 0.0000,

195.6560, 102.3025

0.0000

263.3504,
238.9654, 131.7630

■ 34.7243, 27.1197,
5.7873

■ 34.7243, 27.1197,
5.7873

■ 33.0799, 24.3191,
3.7353

■ 36.7713, 30.3913,
9.0057

■ 31.7804, 21.9508,
2.5907

■ 39.2546, 34.1553,
13.5409

■ 31.7254, 21.8496,
2.5453

■ 42.2057, 38.4364,
19.5223

■ 45.6521, 43.2559,
27.0628

■ 49.6189, 48.6339,
36.2643

■ 54.1295, 54.5890,
47.2197

■ 59.2054, 61.1392,
60.0153

■ 64.8671, 68.3013,
74.7313

■ 71.1340, 76.0918,
91.4433

Harmonies

Analogous

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



41.7368, 27.1197, 13.3528



34.7243, 27.1197, 5.7873



26.2909, 27.1197, 3.8366

Triad

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



34.7243, 27.1197, 5.7873



13.3264, 27.1197, 28.0891



33.6557, 27.1197, 87.3768

Complementary

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



34.7243, 27.1197, 5.7873



23.1260, 25.0850, 67.9124

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.



25.2687, 27.1197, 98.3720



34.7243, 27.1197, 5.7873



14.5127, 27.1197, 55.2776

Square

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



34.7243, 27.1197, 5.7873



14.8640, 27.1197, 11.9141



18.5152, 27.1197, 84.3944



41.0360, 27.1197, 59.2186

Rectangle

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



34.7243, 27.1197, 5.7873



21.3204, 27.1197, 4.4111



18.5152, 27.1197, 84.3944



30.8138, 27.1197, 93.6841

Sweetspot

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



34.7249, 27.1212, 5.7878



76.4358, 76.1073, 61.5828



33.9398, 18.2544, 28.0203



15.8588, 15.6253, 11.9706



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.



34.7249, 27.1212, 5.7878



47.4143, 33.4949, 4.3385



49.3070, 56.2853, 10.6485



12.8487, 13.2717, 13.0452



19.0756, 13.2684, 1.5557



1.2314, 0.9621, 0.1208

Inverse Universe

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



23.1260, 25.0850, 67.9124



29.6022, 30.0834, 98.8542



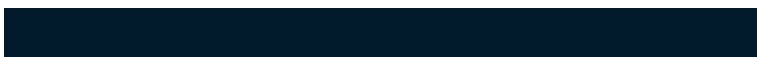
14.8302, 8.4933, 65.1471



12.3337, 13.1908, 15.8335



11.7894, 11.8407, 40.1173



0.7922, 0.8764, 2.4467

Previews

White Background



This preview shows how the XYZ color 34.7243, 27.1197, 5.7873 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 34.7243, 27.1197, 5.7873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

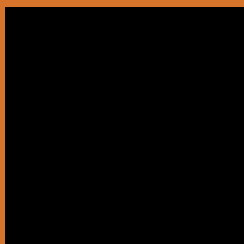
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7243, 27.1197, 5.7873

Background



This preview shows how black text looks on a background with the XYZ color 34.7243, 27.1197, 5.7873.



This preview shows how white text looks on a background with the XYZ color 34.7243, 27.1197,

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

34.7243, 27.1197, 5.7873

Protanopia

24.7181, 27.2549, 7.0899

Deuteranopia

27.5883, 27.0452, 5.5165



Tritanopia

37.5345, 27.1037, 19.7762

Trichromacy



Original Color

34.7243, 27.1197, 5.7873

Protanomaly

27.5114, 26.5722, 6.4752

Deuteranomaly

29.8404, 26.7980, 5.6073

Tritanomaly

36.2549, 27.0782, 12.9886

Monochromacy



Original Color

34.7243, 27.1197, 5.7873

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.8155, 24.6791, 16.2349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7243, 27.1197, 5.7873 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(215, 116, 44)` looks like.

```
.text, #text, p{  
    color:rgb(215, 116, 44)  
}
```

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(215, 116, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 116, 44) }
```

Border

The CSS property to change the border of an element to XYZ 34.7243, 27.1197, 5.7873 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(215, 116, 44) }
```


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

```
.border{ border-color:rgb(215, 116, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 116, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 116, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 116, 44);  
box-shadow:4px 4px 4px 4px rgb(215, 116,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7243, 27.1197, 5.7873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 116, 44) }
```

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

```
.background{ background-color: rgb(215,  
116, 44) }
```

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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