

Converting Colors

XYZ(32.5756, 27.7367, 4.5624)

Have a look what the booklet for
XYZ(32.5756, 27.7367, 4.5624)
contains.

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Color

**XYZ(32.4109, 27.5748,
4.5339)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7D19
RGB	204, 125, 25
RGB Percent	80%, 49%, 10%
CMY	0.2000, 0.5098, 0.9019
CMYK	0.00, 0.39, 0.88, 0.20
HSL	34°, 78%, 45%
HSV	34°, 88%, 80%
XYZ	32.4109, 27.5748, 4.5339
YIQ	137.2210, 79.1840, -14.3520

Conversions

Conversions Part 2

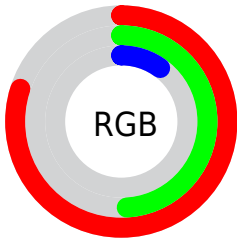
Format	Color
R _Y B	166, 204, 25
Decimal	13401369
CIE Lab	59.50, 23.88, 60.86
CIE LCh	60, 65.372, 68.578
Yxy	27.5748, 0.5023, 0.4274
Android (android.graphics.Color)	4291591449 (0xFFCC7D19)
YUV	137.2210, -55.3250, 58.5652
Hunter-Lab	52.5117, 18.2770, 31.6391

Details

The XYZ color **32.4109, 27.5748, 4.5339** 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 **16.2500, 14.4663, 59.0620**, and the grayscale version is **24.0444, 25.2965, 27.5479**.

A 20% lighter version of the original color is **58.6456, 53.6949, 15.0578**, and **14.0860, 11.0982, 1.3997** is the 20% darker color. If you saturate the color by 10%, you get **31.1726, 25.3389, 3.3801**, and if you desaturate by 10%, it is **33.9094, 30.0825, 6.5429**.

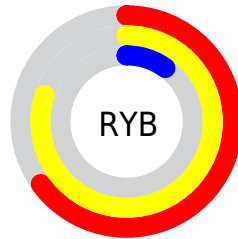
Distribution



Red (80%)

Green (49%)

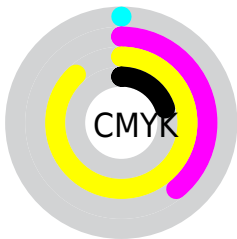
Blue (10%)



Red (65%)

Yellow (80%)

Blue (10%)

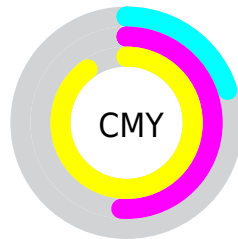


Cyan (0%)

Magenta (39%)

Yellow (88%)

Black (20%)



Cyan (20%)


Magenta (51%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4109, 27.5748, 4.5339 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 32.4109, 27.5748, 4.5339 by changing the saturation by 10% instead.


 32.4109, 27.5748,
4.5339


 32.4109, 27.5748,
4.5339


304.6989,
290.4295, 153.9867

 21.8326, 18.0054,
1.9226


 62.8156, 55.8049,
15.2235


 13.8499, 10.9539,
0.5070


 83.3726, 75.2343,
24.1388

 8.0973, 6.0358,
0.0000


 107.9867, 98.7192,
35.9926

 4.2096, 2.8669,
0.0000

 137.0231,
126.6440, 51.2033

 1.8214, 1.0626,
0.0000

 170.8471,
159.3930, 70.1896

 0.5305, 0.0000,
0.0000

 209.8242,

 0.0000, 0.0000,

197.3507, 93.3698

0.0000

254.3197,
240.9014, 121.1627

32.4109, 27.5748,
4.5339

32.4109, 27.5748,
4.5339

31.1726, 25.3389,
3.3801

33.9094, 30.0825,
6.5429

30.9157, 24.8655,
3.1701

35.7034, 32.8767,
9.5880

37.8201, 35.9736,
13.7975

40.2825, 39.3862,
19.2800

43.1111, 43.1266,
26.1320

■ 46.3244, 47.2058,
34.4401

■ 49.9398, 51.6344,
44.2842

■ 53.9733, 56.4222,
55.7378

■ 58.4399, 61.5786,
68.8701

Harmonies

Analogous

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



40.5963, 27.5748, 9.7288



32.4109, 27.5748, 4.5339



23.9231, 27.5748, 3.8311

Triad

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



32.4109, 27.5748, 4.5339



13.4884, 27.5748, 37.2892



37.3430, 27.5748, 81.0832

Complementary

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



32.4109, 27.5748, 4.5339



16.2500, 14.4663, 59.0620

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.



28.6361, 27.5748, 100.6357



32.4109, 27.5748, 4.5339



15.6995, 27.5748, 67.9851

Square

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



32.4109, 27.5748, 4.5339



14.0842, 27.5748, 16.3488



20.8535, 27.5748, 94.8838



43.8324, 27.5748, 49.7595

Rectangle

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



32.4109, 27.5748, 4.5339



19.3566, 27.5748, 5.2448



20.8535, 27.5748, 94.8838



34.5134, 27.5748, 89.8373

Sweetspot

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



32.4115, 27.5762, 4.5344



77.5187, 79.1730, 59.1698



27.8276, 14.5640, 14.8582



16.1696, 16.4189, 11.5440



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.



32.4115, 27.5762, 4.5344



50.9823, 40.7447, 5.1774



44.2866, 54.8642, 9.1756



11.7234, 12.2358, 11.8233



19.5531, 15.8391, 2.0267



1.0836, 0.9669, 0.1295

Inverse Universe

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



16.2500, 14.4663, 59.0620



23.9034, 18.9268, 97.0011



11.9049, 5.3943, 57.5400



11.0024, 11.6452, 14.2382



9.2523, 7.5285, 36.9218



0.5525, 0.5388, 1.9298

Previews

White Background



This preview shows how the XYZ color 32.4109, 27.5748, 4.5339 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 32.4109, 27.5748, 4.5339 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 32.4109, 27.5748, 4.5339

Background



This preview shows how black text looks on a background with the XYZ color 32.4109, 27.5748, 4.5339.



This preview shows how white text looks on a background with the XYZ color 32.4109, 27.5748,

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

32.4109, 27.5748, 4.5339

Protanopia

25.1079, 27.7216, 5.2558

Deuteranopia

28.1891, 27.5908, 4.3300



Tritanopia

36.2416, 27.5268, 22.8051

Trichromacy



Original Color

32.4109, 27.5748, 4.5339

Protanomaly

27.2867, 27.3223, 4.9342

Deuteranomaly

29.6040, 27.4967, 4.3632

Tritanomaly

34.1321, 27.1803, 12.8986

Monochromacy



Original Color

32.4109, 27.5748, 4.5339

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.1968, 25.1967, 14.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4109, 27.5748, 4.5339 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, 125, 25)` looks like.

```
.text, #text, p{  
    color:rgb(204, 125, 25)  
}
```

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, 125, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 125, 25) }
```

Border

The CSS property to change the border of an element to XYZ 32.4109, 27.5748, 4.5339 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, 125, 25) }
```


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

```
.border{ border-color:rgb(204, 125, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 125, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 125, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 125, 25);  
box-shadow:4px 4px 4px 4px rgb(204, 125,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4109, 27.5748, 4.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 125, 25) }
```

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

```
.background{ background-color: rgb(204,  
125, 25) }
```

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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