

Converting Colors

XYZ(34.6258, 24.6981, 12.2952)

Have a look what the booklet for
XYZ(34.6258, 24.6981, 12.2952)
contains.

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Color

**XYZ(34.5789, 24.6711,
12.3907)**

Conversions

Conversions Part 1

Format	Color
Hex	D76659
RGB	215, 102, 89
RGB Percent	84%, 40%, 35%
CMY	0.1569, 0.6000, 0.6510
CMYK	0.00, 0.53, 0.59, 0.16
HSL	6°, 61%, 60%
HSV	6°, 59%, 84%
XYZ	34.5789, 24.6711, 12.3907
YIQ	134.3050, 71.5210, 19.9130

Conversions

Conversions Part 2

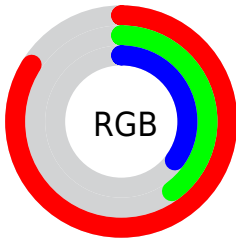
Format	Color
R_{YB}	215, 103, 89
Decimal	14116441
CIE _{Lab}	56.75, 43.35, 28.52
CIE _{LCh}	57, 51.886, 33.342
Yxy	24.6711, 0.4827, 0.3444
Android (android.graphics.Color)	4292306521 (0xFFD76659)
YUV	134.3050, -22.3354, 70.7695
Hunter-Lab	49.6700, 37.3443, 19.9785

Details

The XYZ color **34.5789, 24.6711, 12.3907** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **37.5046, 49.2682, 71.8227**, and the grayscale version is **22.8343, 24.0234, 26.1615**.

A 20% lighter version of the original color is **57.7887, 46.9010, 30.4331**, and **15.0942, 9.4242, 3.3090** is the 20% darker color. If you saturate the color by 10%, you get **32.1248, 21.0030, 7.7502**, and if you desaturate by 10%, it is **37.7384, 29.3285, 18.5672**.

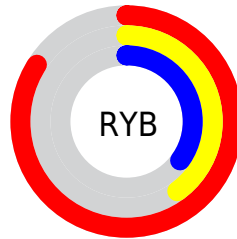
Distribution



Red (84%)

Green (40%)

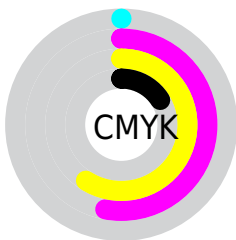
Blue (35%)



Red (84%)

Yellow (40%)

Blue (35%)

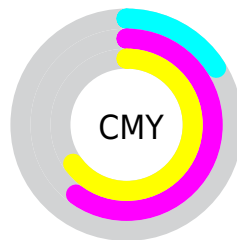


Cyan (0%)

Magenta (53%)

Yellow (59%)

Black (16%)



Cyan (16%)


Magenta (60%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5789, 24.6711, 12.3907 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 34.5789, 24.6711, 12.3907 by changing the saturation by 10% instead.


 34.5789, 24.6711,
12.3907


 34.5789, 24.6711,
12.3907


314.2464,
276.1960, 218.0439


 23.5037, 15.8322,
6.8846


 66.1712, 51.1231,
30.8797

 15.0886, 9.4055,
3.3127


 87.4190, 69.5051,
44.6996


 8.9683, 5.0066,
1.2564


 112.7884, 91.8368,
62.1280

 4.7775, 2.2511,
0.0257

 142.6447,
118.5027, 83.5832

 2.1507, 0.7477,
0.0000

 177.3533,
149.8872, 109.4838

 0.7166, 0.0000,
0.0000

217.2796,

 0.0000, 0.0000,

186.3746, 140.2485

0.0000

262.7888,
228.3494, 176.2956

■ 34.5789, 24.6711,
12.3907

■ 34.5789, 24.6711,
12.3907

■ 32.1248, 21.0030,
7.7502

■ 37.7384, 29.3285,
18.5672

■ 30.3197, 18.2489,
4.5092

■ 41.6505, 35.0357,
26.3975

■ 29.1012, 16.3288,
2.5097

■ 46.3601, 41.8528,
35.9893

■ 28.3858, 15.1439,
1.5132

■ 51.9083, 49.8344,
47.4410

■ 28.3148, 15.0282,
1.4084

■ 58.3331, 59.0314,
60.8436

■ 65.6705, 69.4917,
76.2822

■ 73.9543, 81.2606,
93.8368

■ 81.8342, 93.1870,
108.2815

Harmonies

Analogous

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



37.0939, 24.6711, 24.9661



34.5789, 24.6711, 12.3907



29.0687, 24.6711, 6.7274

Triad

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



34.5789, 24.6711, 12.3907



14.5093, 24.6711, 14.5103



24.1341, 24.6711, 75.7741

Complementary

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



34.5789, 24.6711, 12.3907



37.5046, 49.2682, 71.8227

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.



18.6049, 24.6711, 69.0238



34.5789, 24.6711, 12.3907



13.6430, 24.6711, 28.8529

Square

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



34.5789, 24.6711, 12.3907



17.6159, 24.6711, 7.5293



15.0075, 24.6711, 49.6655



30.4460, 24.6711, 65.4425

Rectangle

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



34.5789, 24.6711, 12.3907



24.8248, 24.6711, 5.4931



15.0075, 24.6711, 49.6655



22.1253, 24.6711, 75.4388

Sweetspot

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



34.5795, 24.6724, 12.3911



76.7666, 73.8796, 70.6007



42.3048, 25.8752, 58.8903



15.8862, 15.0308, 13.9814



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.



34.5795, 24.6724, 12.3911



46.6475, 29.9598, 10.2532



43.2106, 41.9346, 15.2682



12.5254, 12.6250, 12.9374



16.9724, 9.0620, 0.8546



1.0596, 0.6183, 0.0635

Inverse Universe

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



37.5046, 49.2682, 71.8227



51.2315, 69.0994, 105.2451



25.6763, 25.6116, 67.8800



12.6776, 13.8786, 15.9482



18.7627, 25.7872, 42.4417



1.1639, 1.6199, 2.5706

Previews

White Background



This preview shows how the XYZ color 34.5789, 24.6711, 12.3907 looks on a white background.

Color Contrast Check

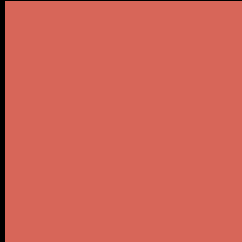
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5789, 24.6711, 12.3907 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 34.5789, 24.6711, 12.3907

Background



This preview shows how black text looks on a background with the XYZ color 34.5789, 24.6711, 12.3907.



This preview shows how white text looks on a background with the XYZ color 34.5789, 24.6711,

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

34.5789, 24.6711, 12.3907

Protanopia

23.1064, 24.6986, 16.3814

Deuteranopia

25.2336, 24.8720, 11.8583



Tritanopia

35.4776, 24.7539, 16.5438

Trichromacy



Original Color

34.5789, 24.6711, 12.3907

Protanomaly

26.2068, 23.9551, 14.7978

Deuteranomaly

27.9246, 24.1721, 11.9980

Tritanomaly

35.2728, 24.8264, 14.9895

Monochromacy



Original Color

34.5789, 24.6711, 12.3907

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.3338, 23.0136, 20.2464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5789, 24.6711, 12.3907 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, 102, 89)` looks like.

```
.text, #text, p{  
    color:rgb(215, 102, 89)  
}
```

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, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 102, 89) }
```

Border

The CSS property to change the border of an element to XYZ 34.5789, 24.6711, 12.3907 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, 102, 89) }
```


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

```
.border{ border-color:rgb(215, 102, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 102, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(215, 102,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5789, 24.6711, 12.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 102, 89) }
```

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

```
.background{ background-color: rgb(215,  
102, 89) }
```

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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