

Converting Colors

XYZ(33.6934, 24.2928, 8.9423)

Have a look what the booklet for
XYZ(33.6934, 24.2928, 8.9423)
contains.

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Color

**XYZ(33.6203, 24.2538,
8.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	D66647
RGB	214, 102, 71
RGB Percent	84%, 40%, 28%
CMY	0.1608, 0.6000, 0.7216
CMYK	0.00, 0.52, 0.67, 0.16
HSL	13°, 64%, 56%
HSV	13°, 67%, 84%
XYZ	33.6203, 24.2538, 8.8707
YIQ	131.9540, 76.7030, 14.1030

Conversions

Conversions Part 2

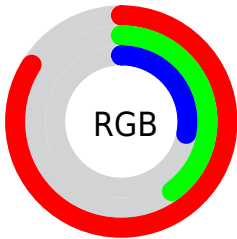
Format	Color
R_{YB}	214, 111, 71
Decimal	14050887
CIE Lab	56.34, 41.80, 38.02
CIE LCh	56, 56.504, 42.295
Yxy	24.2538, 0.5037, 0.3634
Android (android.graphics.Color)	4292240967 (0xFFD66647)
YUV	131.9540, -30.0503, 71.9543
Hunter-Lab	49.2481, 35.6726, 23.7942

Details

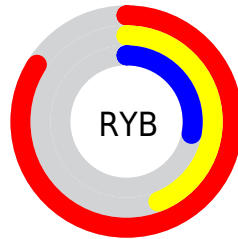
The XYZ color **33.6203, 24.2538, 8.8707** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **31.6684, 40.0592, 69.6812**, and the grayscale version is **22.0019, 23.1477, 25.2078**.

A 20% lighter version of the original color is **56.3515, 46.0588, 23.6895**, and **14.4529, 9.1237, 1.9190** is the 20% darker color. If you saturate the color by 10%, you get **31.5666, 21.0589, 5.3737**, and if you desaturate by 10%, it is **36.2499, 28.2140, 13.7527**.

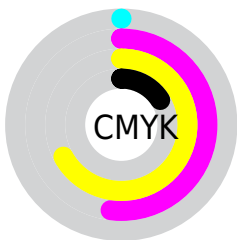
Distribution



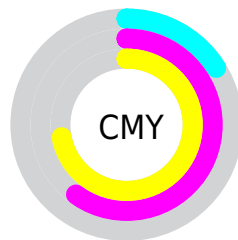
- Red (84%)
- Green (40%)
- Blue (28%)



- Red (84%)
- Yellow (44%)
- Blue (28%)



- Cyan (0%)
- Magenta (52%)
- Yellow (67%)
- Black (16%)





- Cyan (16%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6203, 24.2538, 8.8707 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 33.6203, 24.2538, 8.8707 by changing the saturation by 10% instead.


 33.6203, 24.2538,
8.8707


 33.6203, 24.2538,
8.8707


310.0514,
274.1011, 192.5928


 22.7636, 15.5220,
4.5613


 64.6910, 50.4440,
24.2222


 14.5388, 9.1865,
1.9380


 85.6356, 68.6713,
36.1015


 8.5805, 4.8631,
0.5168


 110.6737, 90.8325,
51.3410

 4.5235, 2.1671,
0.0000

 140.1704,
117.3119, 70.3594

 2.0024, 0.7020,
0.0000

 174.4912,
148.4942, 93.5753

 0.6353, 0.0000,
0.0000

214.0014,

 0.0000, 0.0000,

184.7635, 121.4071

0.0000

259.0663,
226.5044, 154.2734

■ 33.6203, 24.2538,
8.8707

■ 33.6203, 24.2538,
8.8707

■ 31.5666, 21.0589,
5.3737

■ 36.2499, 28.2140,
13.7527

■ 30.0402, 18.5743,
3.1132

■ 39.4950, 32.9817,
20.1448

■ 28.9846, 16.7427,
1.8993

■ 43.3936, 38.6006,
28.1595

■ 28.7242, 16.2815,
1.6287

■ 47.9799, 45.1100,
37.8983

■ 53.2856, 52.5468,
49.4541

■ 59.3405, 60.9456,
62.9133

■ 66.1728, 70.3394,
78.3568

■ 73.8089, 80.7595,
95.8607

■ 80.8582, 91.6695,
108.0400

Harmonies

Analogous

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



37.5929, 24.2538, 19.4792



33.6203, 24.2538, 8.8707



27.0776, 24.2538, 4.8505

Triad

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



33.6203, 24.2538, 8.8707



13.0564, 24.2538, 16.9280



25.8254, 24.2538, 79.2878

Complementary

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



33.6203, 24.2538, 8.8707



31.6684, 40.0592, 69.6812

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.



19.4475, 24.2538, 77.4769



33.6203, 24.2538, 8.8707



12.8480, 24.2538, 34.8119

Square

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



33.6203, 24.2538, 8.8707



15.6058, 24.2538, 7.7628



14.9697, 24.2538, 58.6720



32.5560, 24.2538, 62.8460

Rectangle

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



33.6203, 24.2538, 8.8707



22.5543, 24.2538, 4.3303



14.9697, 24.2538, 58.6720



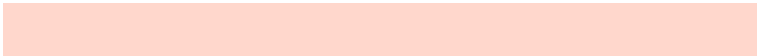
23.5580, 24.2538, 80.9525

Sweetspot

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



33.6209, 24.2551, 8.8711



76.4543, 74.2501, 67.4289



38.5337, 22.2223, 47.0672



15.8837, 15.2190, 13.3852



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.



33.6209, 24.2551, 8.8711



45.9507, 29.7254, 6.4477



43.9053, 44.8239, 12.2993



12.6394, 12.8530, 12.9754



17.4249, 9.9670, 1.0054



1.1130, 0.7252, 0.0813

Inverse Universe

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



31.6684, 40.0592, 69.6812



42.6518, 54.3970, 102.8594



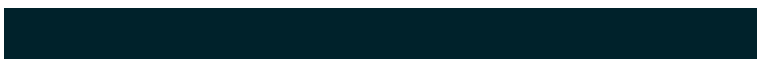
20.4772, 17.6768, 65.9508



12.5531, 13.6296, 15.9067



15.8346, 19.9310, 41.4657



1.0131, 1.3182, 2.5204

Previews

White Background



This preview shows how the XYZ color 33.6203, 24.2538, 8.8707 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 33.6203, 24.2538, 8.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

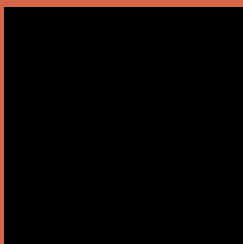
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6203, 24.2538, 8.8707

Background



This preview shows how black text looks on a background with the XYZ color 33.6203, 24.2538, 8.8707.



This preview shows how white text looks on a background with the XYZ color 33.6203, 24.2538,

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

33.6203, 24.2538, 8.8707

Protanopia

22.5782, 24.5288, 11.7281

Deuteranopia

24.7407, 24.2977, 8.3870



Tritanopia

35.1853, 24.3338, 15.9391

Trichromacy



Original Color

33.6203, 24.2538, 8.8707

Protanomaly

25.6322, 23.7505, 10.6305

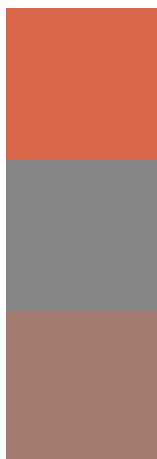
Deuteranomaly

27.3771, 23.7892, 8.4590

Tritanomaly

34.4179, 24.1435, 12.9713

Monochromacy



Original Color

33.6203, 24.2538, 8.8707

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.5521, 22.4819, 17.7973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6203, 24.2538, 8.8707 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(214, 102, 71)` looks like.

```
.text, #text, p{  
    color:rgb(214, 102, 71)  
}
```

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(214, 102, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 102, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.6203, 24.2538, 8.8707 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(214, 102, 71) }
```


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

```
.border{ border-color:rgb(214, 102, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 102, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 102, 71); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 102, 71); box-shadow:4px 4px 4px 4px rgb(214, 102, 71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6203, 24.2538, 8.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 102, 71) }
```

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

```
.background{ background-color: rgb(214,  
102, 71) }
```

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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