

Converting Colors

XYZ(33.0571, 26.0030, 13.2929)

Have a look what the booklet for
XYZ(33.0571, 26.0030, 13.2929)
contains.

XYZ(32.9643, 25.8715, 13.3815)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9643, 25.8715,
13.3815)**

Conversions

Conversions Part 1

Format	Color
Hex	CC735C
RGB	204, 115, 92
RGB Percent	80%, 45%, 36%
CMY	0.2000, 0.5490, 0.6392
CMYK	0.00, 0.44, 0.55, 0.20
HSL	12°, 52%, 58%
HSV	12°, 55%, 80%
XYZ	32.9643, 25.8715, 13.3815
YIQ	138.9890, 60.4270, 11.7150

Conversions

Conversions Part 2

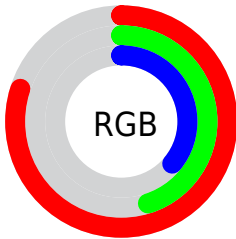
Format	Color
RYB	204, 121, 92
Decimal	13398876
CIELab	57.91, 32.70, 28.00
CIELCh	58, 43.049, 40.579
Yxy	25.8715, 0.4565, 0.3582
Android (android.graphics.Color)	4291588956 (0xFFCC735C)
YUV	138.9890, -23.1656, 57.0146
Hunter-Lab	50.8640, 26.6714, 20.0066

Details

The XYZ color **32.9643, 25.8715, 13.3815** 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 **31.8356, 39.6806, 63.1077**, and the grayscale version is **24.6071, 25.8886, 28.1927**.

A 20% lighter version of the original color is **60.2006, 51.2484, 32.7056**, and **14.2375, 10.0888, 3.7817** is the 20% darker color. If you saturate the color by 10%, you get **30.5010, 22.1851, 8.7375**, and if you desaturate by 10%, it is **35.9940, 30.3067, 19.3993**.

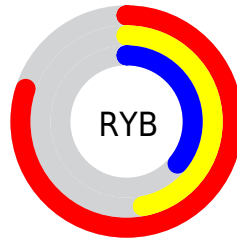
Distribution



Red (80%)

Green (45%)

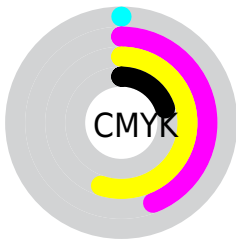
Blue (36%)



Red (80%)

Yellow (47%)

Blue (36%)

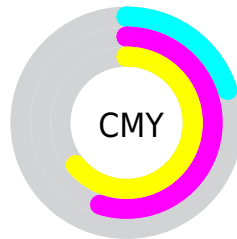


Cyan (0%)

Magenta (44%)

Yellow (55%)

Black (20%)



Cyan (20%)


Magenta (55%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9643, 25.8715, 13.3815 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 32.9643, 25.8715, 13.3815 by changing the saturation by 10% instead.


 32.9643, 25.8715,
13.3815


 32.9643, 25.8715,
13.3815


307.1567,
282.1507, 224.6414


 22.2582, 16.7275,
7.5580


 63.6748, 53.0676,
32.6887

 14.1644, 10.0404,
3.7297


 84.4100, 71.8885,
47.0094

 8.3176, 5.4258,
1.4783

 109.2189, 94.7038,
64.9995

 4.3523, 2.4992,
0.2017

 138.4668,
121.8979, 87.0777

 1.9033, 0.8762,
0.0000

172.5192,
153.8553, 113.6625

 0.5788, 0.0000,
0.0000

211.7415,

 0.0000, 0.0000,

190.9603, 145.1723

0.0000

256.4988,
233.5973, 182.0258

■ 32.9643, 25.8715,
13.3815

■ 32.9643, 25.8715,
13.3815

■ 30.5010, 22.1851,
8.7375

■ 35.9940, 30.3067,
19.3993

■ 28.5654, 19.2015,
5.3560

■ 39.6216, 35.5252,
26.8871

■ 27.1167, 16.8758,
3.1108

■ 43.8783, 41.5644,
35.9342

■ 26.1065, 15.1556,
1.8481

■ 48.7928, 48.4577,
46.6223

■ 25.7262, 14.4863,
1.4402

■ 54.3917, 56.2369,
59.0275

■ 60.7002, 64.9321,
73.2209

■ 67.7423, 74.5720,
89.2698

■ 75.5086, 85.1710,
107.0677

■ 78.7117, 91.5773,
108.1354

Harmonies

Analogous

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



35.7476, 25.8715, 23.2470



32.9643, 25.8715, 13.3815



28.0556, 25.8715, 8.9131

Triad

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



32.9643, 25.8715, 13.3815



16.3365, 25.8715, 19.7037



26.4658, 25.8715, 66.5812

Complementary

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



32.9643, 25.8715, 13.3815



31.8356, 39.6806, 63.1077

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.



21.4224, 25.8715, 64.5804



32.9643, 25.8715, 13.3815



16.0355, 25.8715, 33.7423

Square

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



32.9643, 25.8715, 13.3815



18.6593, 25.8715, 11.5748



17.7698, 25.8715, 51.1188



31.6607, 25.8715, 55.8901

Rectangle

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



32.9643, 25.8715, 13.3815



24.4895, 25.8715, 8.1806



17.7698, 25.8715, 51.1188



24.6909, 25.8715, 67.4433

Sweetspot

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



32.9649, 25.8728, 13.3820



79.6789, 78.6767, 74.7389



37.1311, 23.8527, 46.6865



16.6781, 16.3134, 15.1742



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.



32.9649, 25.8728, 13.3820



49.8182, 35.6835, 13.2146



41.2834, 42.5097, 16.1548



11.3959, 11.5808, 11.7141



16.2469, 9.2267, 0.9246



0.8939, 0.5874, 0.0663

Inverse Universe

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



31.8356, 39.6806, 63.1077



47.6589, 60.6446, 103.8014



22.7227, 21.4547, 60.0700



11.3400, 12.3204, 14.3508



15.0713, 19.1665, 38.8614



0.8282, 1.0901, 2.0217

Previews

White Background



This preview shows how the XYZ color 32.9643, 25.8715, 13.3815 looks on a white background.

Color Contrast Check

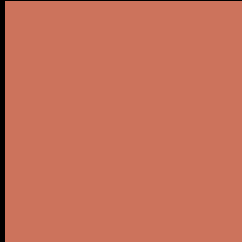
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9643, 25.8715, 13.3815 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 32.9643, 25.8715, 13.3815

Background



This preview shows how black text looks on a background with the XYZ color 32.9643, 25.8715, 13.3815.



This preview shows how white text looks on a background with the XYZ color 32.9643, 25.8715,

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

32.9643, 25.8715, 13.3815

Protanopia

24.2086, 25.9086, 16.2953

Deuteranopia

26.3391, 25.8212, 13.0470



Tritanopia

34.4678, 25.8226, 20.6204

Trichromacy



Original Color

32.9643, 25.8715, 13.3815

Protanomaly

26.7648, 25.3932, 15.0460

Deuteranomaly

28.3624, 25.4837, 13.0968

Tritanomaly

33.7313, 25.6716, 17.6453

Monochromacy



Original Color

32.9643, 25.8715, 13.3815

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5997, 25.1569, 21.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9643, 25.8715, 13.3815 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, 115, 92)` looks like.

```
.text, #text, p{  
    color:rgb(204, 115, 92)  
}
```

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, 115, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 115, 92) }
```

Border

The CSS property to change the border of an element to XYZ 32.9643, 25.8715, 13.3815 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, 115, 92) }
```


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

```
.border{ border-color:rgb(204, 115, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 115, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 115, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 115, 92);  
box-shadow:4px 4px 4px 4px rgb(204, 115,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9643, 25.8715, 13.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 115, 92) }
```

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

```
.background{ background-color: rgb(204,  
115, 92) }
```

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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