

Converting Colors

XYZ(34.3820, 26.1342, 0.6662)

Have a look what the booklet for
XYZ(34.3820, 26.1342, 0.6662)
contains.

XYZ(34.7893, 26.2119, 3.2258)	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>	30

Color

**XYZ(34.7893, 26.2119,
3.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	DB6E00
RGB	219, 110, 0
RGB Percent	86%, 43%, 0%
CMY	0.1412, 0.5686, 1.0000
CMYK	0.00, 0.50, 1.00, 0.14
HSL	30°, 100%, 43%
HSV	30°, 100%, 86%
XYZ	34.7893, 26.2119, 3.2258
YIQ	130.0510, 100.2740, -11.1020

Conversions

Conversions Part 2

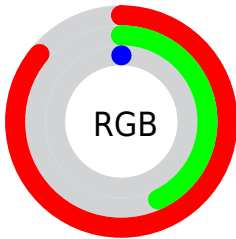
Format	Color
RYB	217, 219, 0
Decimal	14380544
CIELab	58.24, 37.67, 66.11
CIELCh	58, 76.090, 60.324
Yxy	26.2119, 0.5417, 0.4081
Android (android.graphics.Color)	4292570624 (0xFFDB6E00)
YUV	130.0510, -64.1151, 78.0083
Hunter-Lab	51.1976, 31.6970, 32.1026

Details

The XYZ color **34.7893, 26.2119, 3.2258** 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 **18.2546, 16.0515, 69.1533**, and the grayscale version is **21.4322, 22.5484, 24.5552**.

A 20% lighter version of the original color is **55.3503, 47.8596, 11.6307**, and **15.4686, 10.2960, 1.1720** is the 20% darker color. If you saturate the color by 10%, you get **34.7895, 26.2126, 3.2259**, and if you desaturate by 10%, it is **36.1831, 28.7696, 4.4004**.

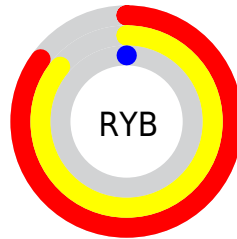
Distribution



Red (86%)

Green (43%)

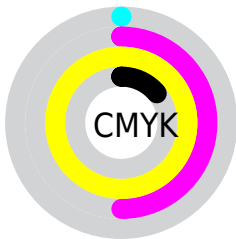
Blue (0%)



Red (85%)

Yellow (86%)

Blue (0%)

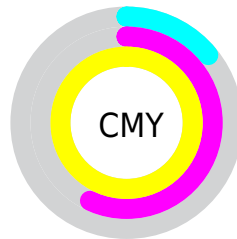


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7893, 26.2119, 3.2258 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 34.7893, 26.2119, 3.2258 by changing the saturation by 10% instead.


 34.7893, 26.2119,
3.2258


 34.7893, 26.2119,
3.2258


315.1617,
283.8207, 139.1865


 23.6664, 16.9822,
1.2111


 66.4954, 53.6166,
12.1807

 15.2097, 10.2218,
0.0000


 87.8093, 72.5604,
19.9580

 9.0540, 5.5463,
0.0000


 113.2509, 95.5111,
30.4931

 4.8338, 2.5712,
0.0000

 143.1855,
122.8530, 44.2047

 2.1838, 0.9122,
0.0000

 177.9785,
154.9705, 61.5113


 0.7342, 0.0000,
0.0000


 217.9954,


 0.0000, 0.0000,


192.2480, 82.8315


0.0000


 263.6013,
235.0700, 108.5837


 34.7893, 26.2119,
3.2258


 34.7893, 26.2119,
3.2258


 34.7895, 26.2126,
3.2259

 36.1831, 28.7696,
4.4004

 37.8891, 31.6903,
6.4837

 39.9662, 35.0065,
9.7595

 42.4489, 38.7391,
14.3874

 45.3668, 42.9070,
20.5021

■ 48.7463, 47.5272,
28.2218

■ 52.6112, 52.6159,
37.6527

■ 56.9837, 58.1881,
48.8917

■ 61.8843, 64.2580,
62.0284

Harmonies

Analogous

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



43.6190, 26.2119, 9.7832



34.7893, 26.2119, 3.2258



24.8132, 26.2119, 1.9034

Triad

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



34.7893, 26.2119, 3.2258



11.0323, 26.2119, 28.8292



35.0073, 26.2119, 98.8774

Complementary

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



34.7893, 26.2119, 3.2258



18.2546, 16.0515, 69.1533

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.



25.0143, 26.2119, 115.6923



34.7893, 26.2119, 3.2258



12.5060, 26.2119, 62.7240

Square

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



34.7893, 26.2119, 3.2258



12.4426, 26.2119, 10.0295



17.1098, 26.2119, 99.5381



43.7652, 26.2119, 61.8849

Rectangle

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



34.7893, 26.2119, 3.2258



19.2365, 26.2119, 2.4734



17.1098, 26.2119, 99.5381



31.6105, 26.2119, 107.8235

Sweetspot

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



34.7899, 26.2133, 3.2262



74.1200, 74.0821, 52.7759



32.0007, 16.1751, 16.0458



15.3514, 15.1868, 10.0253



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.



34.7899, 26.2133, 3.2262



48.9705, 36.7211, 4.5068



54.5444, 65.7225, 9.8111



13.5938, 14.1269, 13.7359



20.7384, 15.7624, 1.9494



1.4297, 1.1935, 0.1550

Inverse Universe

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



18.2546, 16.0515, 69.1533



25.6281, 22.3763, 97.5760



12.7862, 5.1146, 67.3305



12.8713, 13.6824, 16.6147



10.9335, 9.7363, 41.0414



0.7945, 0.8031, 2.6876

Previews

White Background



This preview shows how the XYZ color 34.7893, 26.2119, 3.2258 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 34.7893, 26.2119, 3.2258 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 34.7893, 26.2119, 3.2258

Background



This preview shows how black text looks on a background with the XYZ color 34.7893, 26.2119, 3.2258.



This preview shows how white text looks on a background with the XYZ color 34.7893, 26.2119,

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

34.7893, 26.2119, 3.2258

Protanopia

23.7430, 26.3659, 4.4538

Tritanopia

37.6359, 26.1365, 17.5292

Trichromacy



Original Color

34.7893, 26.2119, 3.2258

Protanomaly

26.8714, 25.6951, 3.8912

Tritanomaly

35.9445, 25.9050, 8.7359

Monochromacy



Original Color

34.7893, 26.2119, 3.2258

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.5446, 22.4718, 11.2802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7893, 26.2119, 3.2258 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(219, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 110, 0)  
}
```

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(219, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.7893, 26.2119, 3.2258 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(219, 110, 0) }
```

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

```
.border{ border-color:rgb(219, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 110,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 34.7893, 26.2119, 3.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 110, 0) }
```

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

```
.background{ background-color: rgb(219,  
110, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor