

Converting Colors

XYZ(34.4070, 26.8656, 3.8225)

Have a look what the booklet for
XYZ(34.4070, 26.8656, 3.8225)
contains.

XYZ(34.2413, 26.7430, 3.8091)	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(34.2413, 26.7430,
3.8091)**

Conversions

Conversions Part 1

Format	Color
Hex	D7730F
RGB	215, 115, 15
RGB Percent	84%, 45%, 6%
CMY	0.1569, 0.5490, 0.9412
CMYK	0.00, 0.47, 0.93, 0.16
HSL	30°, 87%, 45%
HSV	30°, 93%, 84%
XYZ	34.2413, 26.7430, 3.8091
YIQ	133.5000, 91.7000, -9.9000

Conversions

Conversions Part 2

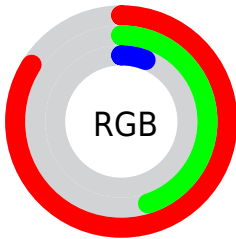
Format	Color
R _Y B	215, 215, 15
Decimal	14119695
CIE Lab	58.74, 33.64, 63.44
CIE LCh	59, 71.809, 62.068
Yxy	26.7430, 0.5285, 0.4127
Android (android.graphics.Color)	4292309775 (0xFFD7730F)
YUV	133.5000, -58.4205, 71.4755
Hunter-Lab	51.7136, 27.6919, 31.8324

Details

The XYZ color **34.2413, 26.7430, 3.8091** 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 **18.5932, 17.2688, 66.6428**, and the grayscale version is **22.6612, 23.8414, 25.9633**.

A 20% lighter version of the original color is **56.4787, 49.7597, 13.1064**, and **15.0272, 10.5529, 1.2449** is the 20% darker color. If you saturate the color by 10%, you get **33.3346, 25.0679, 3.0817**, and if you desaturate by 10%, it is **35.7800, 29.4369, 5.5058**.

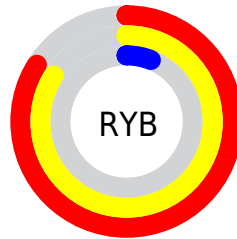
Distribution



Red (84%)

Green (45%)

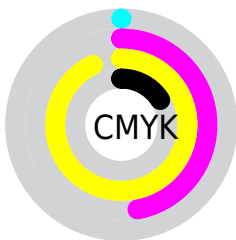
Blue (6%)



Red (84%)

Yellow (84%)

Blue (6%)

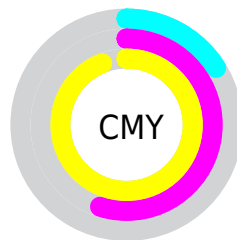


Cyan (0%)

Magenta (47%)

Yellow (93%)

Black (16%)



Cyan (16%)


Magenta (55%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2413, 26.7430, 3.8091 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 34.2413, 26.7430, 3.8091 by changing the saturation by 10% instead.


 34.2413, 26.7430,
3.8091


 34.2413, 26.7430,
3.8091


312.7737,
286.4106, 146.0793


 23.2428, 17.3803,
1.5212


 65.6505, 54.4712,
13.5670

 14.8946, 10.5060,
0.2337


 86.7920, 73.6055,
21.8742

 8.8313, 5.7357,
0.0000


 112.0451, 96.7657,
33.0248

 4.6875, 2.6851,
0.0000

 141.7753,
124.3364, 47.4375

 2.0980, 0.9696,
0.0000

 176.3479,
156.7018, 65.5307

 0.6881, 0.0000,
0.0000

 216.1283,

 0.0000, 0.0000,

194.2464, 87.7231

0.0000

261.4817,
237.3545, 114.4331

34.2413, 26.7430,
3.8091

34.2413, 26.7430,
3.8091

33.3346, 25.0679,
3.0817

35.7800, 29.4369,
5.5058

37.6635, 32.5036,
8.2924

39.9273, 35.9657,
12.3315

42.6010, 39.8419,
17.7580

45.7106, 44.1491,
24.6891

■ 49.2797, 48.9031,
33.2293

■ 53.3300, 54.1186,
43.4736

■ 57.8815, 59.8095,
55.5099

■ 62.9530, 65.9890,
69.4195

Harmonies

Analogous

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



42.7157, 26.7430, 10.1652



34.2413, 26.7430, 3.8091



24.8100, 26.7430, 2.5328

Triad

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



34.2413, 26.7430, 3.8091



11.9343, 26.7430, 30.9108



35.5535, 26.7430, 92.9225

Complementary

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



34.2413, 26.7430, 3.8091



18.5932, 17.2688, 66.6428

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.



26.0367, 26.7430, 109.8939



34.2413, 26.7430, 3.8091



13.5634, 26.7430, 63.3669

Square

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



34.2413, 26.7430, 3.8091



13.1638, 26.7430, 11.7495



18.2584, 26.7430, 96.7824



43.5886, 26.7430, 58.3935

Rectangle

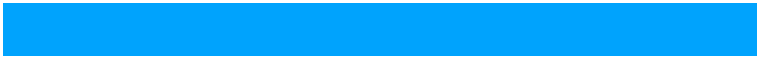
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2413, 26.7430, 3.8091



19.5519, 26.7430, 3.2920



18.2584, 26.7430, 96.7824



32.3546, 26.7430, 101.5462

Sweetspot

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



34.2419, 26.7444, 3.8096



75.2601, 75.5245, 55.7389



31.2897, 16.0266, 17.6646



15.5693, 15.4652, 10.5828



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.



34.2419, 26.7444, 3.8096



48.8948, 36.5697, 4.4816



52.4107, 63.0820, 9.8658



12.9311, 13.4365, 13.0727



20.0443, 15.2058, 1.8786



1.2918, 1.0827, 0.1409

Inverse Universe

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



18.5932, 17.2688, 66.6428



25.7034, 22.5268, 97.6011



12.6336, 5.3496, 64.6563



12.2504, 13.0243, 15.8058



10.6182, 9.4981, 39.7268



0.7232, 0.7384, 2.4237

Previews

White Background



This preview shows how the XYZ color 34.2413, 26.7430, 3.8091 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 34.2413, 26.7430, 3.8091 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 34.2413, 26.7430, 3.8091

Background



This preview shows how black text looks on a background with the XYZ color 34.2413, 26.7430, 3.8091.



This preview shows how white text looks on a background with the XYZ color 34.2413, 26.7430,

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

34.2413, 26.7430, 3.8091

Protanopia

24.3351, 26.8855, 4.7710

Deuteranopia

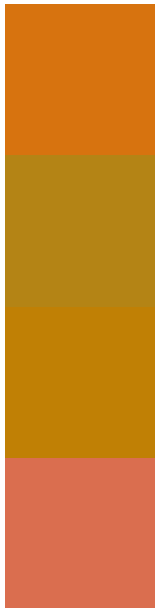
27.2544, 26.9117, 3.7580



Tritanopia

37.5656, 26.8133, 19.4152

Trichromacy



Original Color

34.2413, 26.7430, 3.8091

Protanomaly

27.2090, 26.2600, 4.3441

Deuteranomaly

29.4848, 26.6558, 3.7346

Tritanomaly

35.9007, 26.6218, 10.6435

Monochromacy



Original Color

34.2413, 26.7430, 3.8091

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5820, 23.7206, 13.1805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2413, 26.7430, 3.8091 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, 115, 15)` looks like.

```
.text, #text, p{  
    color:rgb(215, 115, 15)  
}
```

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, 115, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 115, 15) }
```

Border

The CSS property to change the border of an element to XYZ 34.2413, 26.7430, 3.8091 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, 115, 15) }
```


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

```
.border{ border-color:rgb(215, 115, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 115, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 115, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 115, 15);  
box-shadow:4px 4px 4px 4px rgb(215, 115,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2413, 26.7430, 3.8091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 115, 15) }
```

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

```
.background{ background-color: rgb(215,  
115, 15) }
```

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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