

Converting Colors

XYZ(31.2055, 24.8951, 3.8941)

Have a look what the booklet for
XYZ(31.2055, 24.8951, 3.8941)
contains.

XYZ(31.2173, 24.8435, 3.8594)	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(31.2173, 24.8435,
3.8594)**

Conversions

Conversions Part 1

Format	Color
Hex	CD7115
RGB	205, 113, 21
RGB Percent	80%, 44%, 8%
CMY	0.1961, 0.5568, 0.9176
CMYK	0.00, 0.45, 0.90, 0.20
HSL	30°, 81%, 44%
HSV	30°, 90%, 80%
XYZ	31.2173, 24.8435, 3.8594
YIQ	130.0200, 84.3640, -9.1080

Conversions

Conversions Part 2

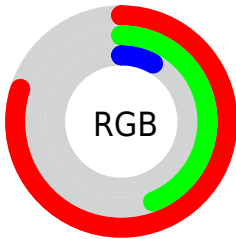
Format	Color
R_{YB}	205, 205, 21
Decimal	13463829
CIE Lab	56.92, 30.65, 60.03
CIE LCh	57, 67.405, 62.949
Yxy	24.8435, 0.5210, 0.4146
Android (android.graphics.Color)	4291653909 (0xFFCD7115)
YUV	130.0200, -53.7469, 65.7575
Hunter-Lab	49.8433, 24.5705, 30.2994

Details

The XYZ color **31.2173, 24.8435, 3.8594** 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 **17.2335, 16.3768, 60.0099**, and the grayscale version is **21.3893, 22.5032, 24.5060**.

A 20% lighter version of the original color is **56.2158, 49.0683, 13.5294**, and **13.3350, 9.5961, 1.1494** is the 20% darker color. If you saturate the color by 10%, you get **30.0055, 22.6323, 2.8015**, and if you desaturate by 10%, it is **32.7004, 27.3721, 5.7041**.

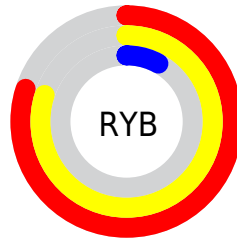
Distribution



Red (80%)

Green (44%)

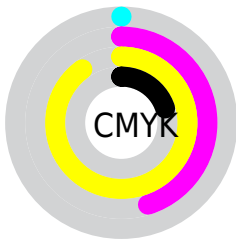
Blue (8%)



Red (80%)

Yellow (80%)

Blue (8%)

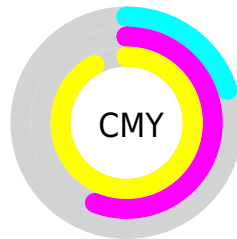


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2173, 24.8435, 3.8594 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 31.2173, 24.8435, 3.8594 by changing the saturation by 10% instead.

31.2173, 24.8435,
3.8594

31.2173, 24.8435,
3.8594

299.3472,
277.0577, 146.6495

20.9170, 15.9605,
1.5485

60.9555, 51.4032,
13.6842

13.1755, 9.4962,
0.2537

81.1242, 69.8487,
22.0352

7.6273, 5.0662,
0.0000

105.3130, 92.2505,
33.2366

3.9072, 2.2862,
0.0000

133.8874,
118.9930, 47.7070

1.6498, 0.7664,
0.0000

167.2126,
150.4606, 65.8650

0.4245, 0.0000,
0.0000

205.6541,

0.0000, 0.0000,

187.0376, 88.1291

0.0000

249.5772,
229.1085, 114.9177

31.2173, 24.8435,
3.8594

31.2173, 24.8435,
3.8594

30.0055, 22.6323,
2.8015

32.7004, 27.3721,
5.7041

29.9778, 22.5813,
2.7786

34.5031, 30.2406,
8.5765

36.6550, 33.4682,
12.6116

39.1813, 37.0709,
17.9233

42.1043, 41.0635,
24.6116

■ 45.4444, 45.4596,
32.7664

■ 49.2203, 50.2720,
42.4702

■ 53.4495, 55.5130,
53.7989

■ 58.1485, 61.1942,
66.8237

Harmonies

Analogous

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



38.7923, 24.8435, 9.6167



31.2173, 24.8435, 3.8594



22.8400, 24.8435, 2.7127

Triad

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



31.2173, 24.8435, 3.8594



11.4591, 24.8435, 29.3510



32.8765, 24.8435, 82.4462

Complementary

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



31.2173, 24.8435, 3.8594



17.2335, 16.3768, 60.0099

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.



24.4032, 24.8435, 97.9131



31.2173, 24.8435, 3.8594



13.0217, 24.8435, 58.2836

Square

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



31.2173, 24.8435, 3.8594



12.5032, 24.8435, 11.6966



17.3562, 24.8435, 87.2417



39.8906, 24.8435, 52.0523

Rectangle

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



31.2173, 24.8435, 3.8594



18.1712, 24.8435, 3.5111



17.3562, 24.8435, 87.2417



30.0453, 24.8435, 90.1460

Sweetspot

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



31.2178, 24.8448, 3.8598



75.8637, 76.3012, 57.2672



28.4256, 14.7078, 16.9640



15.8034, 15.7702, 11.1637



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.



31.2178, 24.8448, 3.8598



48.8949, 36.5699, 4.4816



47.1432, 56.6955, 9.1683



11.6680, 12.1250, 11.8048



18.7575, 14.2480, 1.7615



1.0436, 0.8869, 0.1162

Inverse Universe

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



17.2335, 16.3768, 60.0099



25.7033, 22.5266, 97.6011



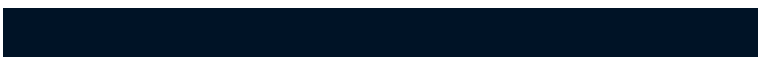
11.5969, 5.1037, 58.1310



11.0574, 11.7552, 14.2566



9.9434, 8.9108, 37.1522



0.5889, 0.6115, 1.9419

Previews

White Background



This preview shows how the XYZ color 31.2173, 24.8435, 3.8594 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 31.2173, 24.8435, 3.8594 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 31.2173, 24.8435, 3.8594

Background



This preview shows how black text looks on a background with the XYZ color 31.2173, 24.8435, 3.8594.



This preview shows how white text looks on a background with the XYZ color 31.2173, 24.8435,

3.8594.

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

31.2173, 24.8435, 3.8594

Protanopia

22.4817, 24.8452, 4.7093

Deuteranopia

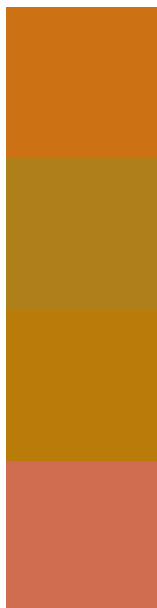
25.2162, 24.8495, 3.4674



Tritanopia

34.3267, 24.8507, 18.6102

Trichromacy



Original Color

31.2173, 24.8435, 3.8594

Protanomaly

25.1282, 24.3928, 4.3036

Deuteranomaly

27.2591, 24.7471, 3.5697

Tritanomaly

32.8230, 24.7142, 10.6298

Monochromacy



Original Color

31.2173, 24.8435, 3.8594

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.9577, 22.3216, 12.7714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2173, 24.8435, 3.8594 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(205, 113, 21)` looks like.

```
.text, #text, p{  
    color:rgb(205, 113, 21)  
}
```

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(205, 113, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 113, 21) }
```

Border

The CSS property to change the border of an element to XYZ 31.2173, 24.8435, 3.8594 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(205, 113, 21) }
```


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

```
.border{ border-color:rgb(205, 113, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 113, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 113, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 113, 21);  
box-shadow:4px 4px 4px 4px rgb(205, 113,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2173, 24.8435, 3.8594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 113, 21) }
```

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

```
.background{ background-color: rgb(205,  
113, 21) }
```

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