

Converting Colors

XYZ(30.9867, 26.3980, 4.0535)

Have a look what the booklet for
XYZ(30.9867, 26.3980, 4.0535)
contains.

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Color

**XYZ(31.0116, 26.4890,
4.0507)**

Conversions

Conversions Part 1

Format	Color
Hex	C87B12
RGB	200, 123, 18
RGB Percent	78%, 48%, 7%
CMY	0.2157, 0.5176, 0.9294
CMYK	0.00, 0.38, 0.91, 0.22
HSL	35°, 83%, 43%
HSV	35°, 91%, 78%
XYZ	31.0116, 26.4890, 4.0507
YIQ	134.0530, 79.5970, -16.3310

Conversions

Conversions Part 2

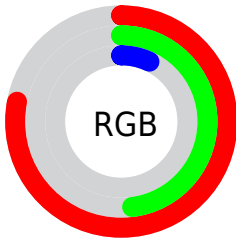
Format	Color
R_{YB}	151, 200, 18
Decimal	13138706
CIE Lab	58.50, 23.10, 61.68
CIE LCh	58, 65.865, 69.466
Yxy	26.4890, 0.5038, 0.4304
Android (android.graphics.Color)	4291328786 (0xFFC87B12)
YUV	134.0530, -57.2141, 57.8355
Hunter-Lab	51.4675, 17.4867, 31.3609

Details

The XYZ color **31.0116, 26.4890, 4.0507** 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 **14.7670, 12.4832, 56.2744**, and the grayscale version is **22.8638, 24.0545, 26.1953**.

A 20% lighter version of the original color is **58.0698, 52.8325, 13.9746**, and **13.2640, 10.4730, 1.3224** is the 20% darker color. If you saturate the color by 10%, you get **29.9943, 24.6295, 3.1731**, and if you desaturate by 10%, it is **32.3484, 28.7776, 5.6840**.

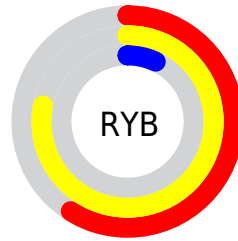
Distribution



Red (78%)

Green (48%)

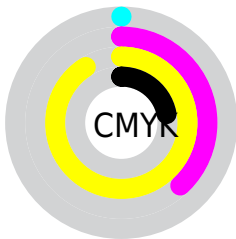
Blue (7%)



Red (59%)

Yellow (78%)

Blue (7%)

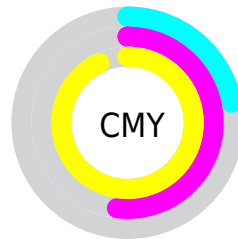


Cyan (0%)

Magenta (38%)

Yellow (91%)

Black (22%)



Cyan (22%)

Magenta (52%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0116, 26.4890, 4.0507 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 31.0116, 26.4890, 4.0507 by changing the saturation by 10% instead.

■ 31.0116, 26.4890,
4.0507

■ 31.0116, 26.4890,
4.0507

298.4177,
285.1744, 148.7872

■ 20.7596, 17.1898,
1.6532

■ 60.6341, 54.0628,
14.1265

■ 13.0598, 10.3699,
0.3284

■ 80.7352, 73.1062,
22.6419

■ 7.5470, 5.6449,
0.0000

■ 104.8500, 96.1664,
34.0337

■ 3.8558, 2.6304,
0.0000

■ 133.3439,
123.6279, 48.7204

■ 1.6209, 0.9420,
0.0000

■ 166.5823,
155.8751, 67.1206

■ 0.4060, 0.0000,
0.0000

■ 204.9305,

■ 0.0000, 0.0000,

193.2923, 89.6527

0.0000

248.7538,
236.2639, 116.7354

31.0116, 26.4890,
4.0507

31.0116, 26.4890,
4.0507

29.9943, 24.6295,
3.1731

32.3484, 28.7776,
5.6840

33.9507, 31.3200,
8.2598

35.8457, 34.1316,
11.9077

38.0558, 37.2246,
16.7361

40.6010, 40.6102,
22.8401

■ 43.4993, 44.2988,
30.3050

■ 46.7672, 48.2999,
39.2084

■ 50.4201, 52.6225,
49.6224

■ 54.4723, 57.2755,
61.6140

Harmonies

Analogous

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



39.1311, 26.4890, 8.8335



31.0116, 26.4890, 4.0507



22.7141, 26.4890, 3.4812

Triad

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



31.0116, 26.4890, 4.0507



12.7788, 26.4890, 36.7715



36.3638, 26.4890, 78.4443

Complementary

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



31.0116, 26.4890, 4.0507



14.7670, 12.4832, 56.2744

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.



27.8117, 26.4890, 98.4755



31.0116, 26.4890, 4.0507



15.0107, 26.4890, 67.2342

Square

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



31.0116, 26.4890, 4.0507



13.2772, 26.4890, 15.9102



20.1244, 26.4890, 93.5381



42.6502, 26.4890, 47.3725

Rectangle

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



31.0116, 26.4890, 4.0507



18.2993, 26.4890, 4.8920



20.1244, 26.4890, 93.5381



33.5925, 26.4890, 87.2851

Sweetspot

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



31.0122, 26.4904, 4.0512



77.2806, 79.1350, 57.7395



26.1873, 13.5727, 12.5171



16.1369, 16.4373, 11.2749



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.



31.0122, 26.4904, 4.0512



51.6925, 42.1649, 5.4142



41.4695, 52.0264, 8.4290



11.1335, 11.6361, 11.2219



19.1619, 15.8410, 2.0477



0.9779, 0.8913, 0.1205

Inverse Universe

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



14.7670, 12.4832, 56.2744



23.3999, 17.9197, 96.8333



11.1812, 4.8810, 54.9960



10.4193, 11.0127, 13.4940



8.7596, 6.9130, 35.6170



0.4862, 0.4701, 1.7103

Previews

White Background



This preview shows how the XYZ color 31.0116, 26.4890, 4.0507 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 31.0116, 26.4890, 4.0507 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 31.0116, 26.4890, 4.0507

Background



This preview shows how black text looks on a background with the XYZ color 31.0116, 26.4890, 4.0507.



This preview shows how white text looks on a background with the XYZ color 31.0116, 26.4890,

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

31.0116, 26.4890, 4.0507

Protanopia

24.1359, 26.7829, 4.7617

Deuteranopia

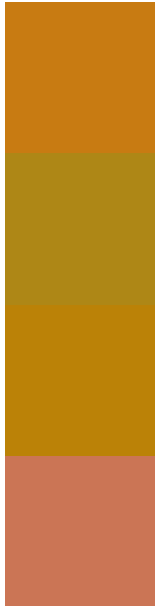
27.1155, 26.6339, 3.7117



Tritanopia

34.7693, 26.4438, 22.0105

Trichromacy



Original Color

31.0116, 26.4890, 4.0507

Protanomaly

26.2644, 26.3845, 4.4675

Deuteranomaly

28.5145, 26.5454, 3.8219

Tritanomaly

32.6296, 26.0750, 11.9075

Monochromacy



Original Color

31.0116, 26.4890, 4.0507

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.0149, 24.0071, 13.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0116, 26.4890, 4.0507 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(200, 123, 18)` looks like.

```
.text, #text, p{  
    color:rgb(200, 123, 18)  
}
```

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(200, 123, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 123, 18) }
```

Border

The CSS property to change the border of an element to XYZ 31.0116, 26.4890, 4.0507 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(200, 123, 18) }
```


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

```
.border{ border-color:rgb(200, 123, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 123, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 123, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 123, 18);  
box-shadow:4px 4px 4px 4px rgb(200, 123,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0116, 26.4890, 4.0507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 123, 18) }
```

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

```
.background{ background-color: rgb(200,  
123, 18) }
```

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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