

Converting Colors

XYZ(31.6384, 24.6456, 3.1413)

Have a look what the booklet for
XYZ(31.6384, 24.6456, 3.1413)
contains.

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Color

**XYZ(31.5993, 24.5661,
3.1337)**

Conversions

Conversions Part 1

Format	Color
Hex	D06E02
RGB	208, 110, 2
RGB Percent	82%, 43%, 1%
CMY	0.1843, 0.5686, 0.9921
CMYK	0.00, 0.47, 0.99, 0.18
HSL	31°, 98%, 41%
HSV	31°, 99%, 82%
XYZ	31.5993, 24.5661, 3.1337
YIQ	126.9900, 93.0760, -12.8120

Conversions

Conversions Part 2

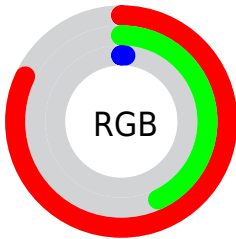
Format	Color
RYB	189, 208, 2
Decimal	13659650
CIELab	56.65, 33.23, 63.97
CIElCh	57, 72.084, 62.549
Yxy	24.5661, 0.5329, 0.4143
Android (android.graphics.Color)	4291849730 (0xFFD06E02)
YUV	126.9900, -61.6201, 71.0458
Hunter-Lab	49.5642, 27.0640, 30.9463

Details

The XYZ color **31.5993, 24.5661, 3.1337** 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 **15.9674, 13.6813, 61.4732**, and the grayscale version is **20.3530, 21.4129, 23.3187**.

A 20% lighter version of the original color is **55.3503, 47.8596, 11.6307**, and **13.6485, 9.4348, 1.1017** is the 20% darker color. If you saturate the color by 10%, you get **31.4864, 24.3581, 3.0421**, and if you desaturate by 10%, it is **32.8695, 26.8801, 4.2565**.

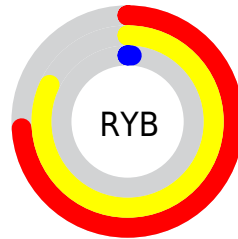
Distribution



Red (82%)

Green (43%)

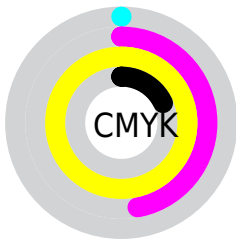
Blue (1%)



Red (74%)

Yellow (82%)

Blue (1%)

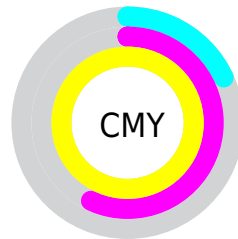


Cyan (0%)

Magenta (47%)

Yellow (99%)

Black (18%)



Cyan (18%)


Magenta (57%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5993, 24.5661, 3.1337 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 31.5993, 24.5661, 3.1337 by changing the saturation by 10% instead.

 31.5993, 24.5661,
3.1337


 31.5993, 24.5661,
3.1337


301.0677,
275.6701, 138.0457


 21.2097, 15.7541,
1.1633


 61.5518, 50.9524,
11.9566

 13.3907, 9.3503,
0.0000


 81.8455, 69.2955,
19.6462

 7.7770, 4.9704,
0.0000

 106.1711, 91.5845,
30.0793

 4.0032, 2.2299,
0.0000

 134.8942,
118.2036, 43.6743

 1.7039, 0.7362,
0.0000

 168.3801,
149.5373, 60.8500


 0.4587, 0.0000,
0.0000


 206.9940,


 0.0000, 0.0000,


185.9701, 82.0247


0.0000


 251.1014,
227.8862, 107.6171


 31.5993, 24.5661,
3.1337

 31.5993, 24.5661,
3.1337


 31.4864, 24.3581,
3.0421

 32.8695, 26.8801,
4.2565

 34.4150, 29.4997,
6.2245

 36.2822, 32.4505,
9.2627

 38.5004, 35.7496,
13.5086

 41.0950, 39.4123,
19.0789

■ 44.0882, 43.4527,
26.0761

■ 47.5006, 47.8839,
34.5929

■ 51.3510, 52.7181,
44.7137

■ 55.6570, 57.9670,
56.5169

Harmonies

Analogous

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



39.7492, 24.5661, 8.8015



31.5993, 24.5661, 3.1337



22.6395, 24.5661, 2.0546

Triad

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



31.5993, 24.5661, 3.1337



10.6612, 24.5661, 28.8551



33.1435, 24.5661, 87.6107

Complementary

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



31.5993, 24.5661, 3.1337



15.9674, 13.6813, 61.4732

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.



24.0738, 24.5661, 104.4880



31.5993, 24.5661, 3.1337



12.2242, 24.5661, 60.0806

Square

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



31.5993, 24.5661, 3.1337



11.7642, 24.5661, 10.6082



16.6770, 24.5661, 92.2188



40.7804, 24.5661, 54.1837

Rectangle

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



31.5993, 24.5661, 3.1337



17.6958, 24.5661, 2.7508



16.6770, 24.5661, 92.2188



30.0946, 24.5661, 96.0810

Sweetspot

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



31.5998, 24.5674, 3.1341



74.5556, 74.9533, 52.9211



28.4110, 14.4042, 13.7417



15.4544, 15.3928, 10.0596



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.



31.5998, 24.5674, 3.1341



49.7228, 38.2256, 4.7576



47.6240, 58.0333, 8.7491



12.3143, 12.8192, 12.4374



19.7217, 15.3763, 1.9285



1.1819, 1.0181, 0.1342

Inverse Universe

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



15.9674, 13.6813, 61.4732



24.9247, 20.9693, 97.3416



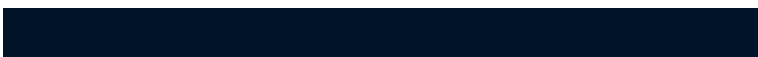
11.4750, 4.6327, 59.9634



11.6209, 12.3321, 15.0115



9.9691, 8.5848, 38.3241



0.6366, 0.6384, 2.1692

Previews

White Background



This preview shows how the XYZ color 31.5993, 24.5661, 3.1337 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 31.5993, 24.5661, 3.1337 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 31.5993, 24.5661, 3.1337

Background



This preview shows how black text looks on a background with the XYZ color 31.5993, 24.5661, 3.1337.



This preview shows how white text looks on a background with the XYZ color 31.5993, 24.5661,

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

31.5993, 24.5661, 3.1337

Protanopia

22.3813, 24.8050, 4.1805

Deuteranopia

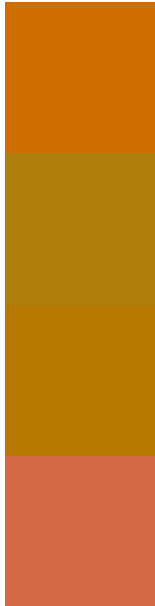
24.8635, 24.4712, 3.4130



Tritanopia

34.6631, 24.6039, 17.3901

Trichromacy



Original Color

31.5993, 24.5661, 3.1337

Protanomaly

25.1113, 24.2040, 3.6961

Deuteranomaly

26.9726, 24.2355, 3.2850

Tritanomaly

33.0210, 24.3942, 8.7625

Monochromacy



Original Color

31.5993, 24.5661, 3.1337

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.0707, 21.3519, 10.9407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5993, 24.5661, 3.1337 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(208, 110, 2)` looks like.

```
.text, #text, p{  
    color:rgb(208, 110, 2)  
}
```

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(208, 110, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 110, 2) }
```

Border

The CSS property to change the border of an element to XYZ 31.5993, 24.5661, 3.1337 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(208, 110, 2) }
```


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

```
.border{ border-color:rgb(208, 110, 2) }
```

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

Here you see how a box with a 4 pixel rgb(208, 110, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 110, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 110, 2);  
box-shadow:4px 4px 4px 4px rgb(208, 110,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5993, 24.5661, 3.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 110, 2) }
```

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

```
.background{ background-color: rgb(208,  
110, 2) }
```

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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