

Converting Colors

XYZ(31.0522, 23.9858, 7.1472)

Have a look what the booklet for
XYZ(31.0522, 23.9858, 7.1472)
contains.

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Color

**XYZ(31.1599, 24.0904,
7.1453)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6D3B
RGB	204, 109, 59
RGB Percent	80%, 43%, 23%
CMY	0.2000, 0.5725, 0.7686
CMYK	0.00, 0.47, 0.71, 0.20
HSL	21°, 59%, 52%
HSV	21°, 71%, 80%
XYZ	31.1599, 24.0904, 7.1453
YIQ	131.7050, 72.6700, 4.5900

Conversions

Conversions Part 2

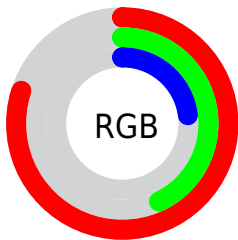
Format	Color
RYB	204, 135, 59
Decimal	13397307
CIELab	56.18, 33.65, 43.77
CIELCh	56, 55.214, 52.449
Yxy	24.0904, 0.4994, 0.3861
Android (android.graphics.Color)	4291587387 (0xFFCC6D3B)
YUV	131.7050, -35.8436, 63.4027
Hunter-Lab	49.0820, 27.4280, 25.7260

Details

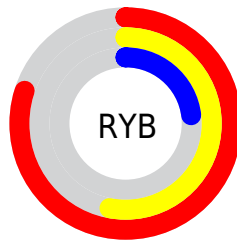
The XYZ color **31.1599, 24.0904, 7.1453** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.2575, 28.3990, 61.3294**, and the grayscale version is **21.9332, 23.0754, 25.1291**.

A 20% lighter version of the original color is **56.8671, 48.1834, 20.4905**, and **13.1204, 9.0791, 1.3481** is the 20% darker color. If you saturate the color by 10%, you get **29.4116, 21.2816, 4.4426**, and if you desaturate by 10%, it is **33.3328, 27.4180, 11.0094**.

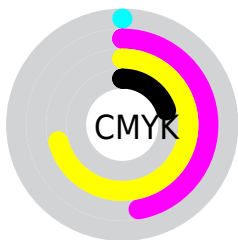
Distribution



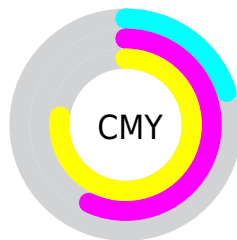
- Red (80%)
- Green (43%)
- Blue (23%)



- Red (80%)
- Yellow (53%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (71%)
- Black (20%)





- Cyan (20%)
- Magenta (57%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1599, 24.0904, 7.1453 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 31.1599, 24.0904, 7.1453 by changing the saturation by 10% instead.


 31.1599, 24.0904,
7.1453


 31.1599, 24.0904,
7.1453


299.0880,
273.2772, 178.5421


 20.8731, 15.4007,
3.4733


 60.8659, 50.1777,
20.7828

 13.1432, 9.1011,
1.3411


 81.0157, 68.3440,
31.5853

 7.6049, 4.8072,
0.0951


 105.1839, 90.4381,
45.6018

 3.8929, 2.1346,
0.0000

 133.7358,
116.8442, 63.2507

 1.6417, 0.6840,
0.0000

 167.0369,
147.9468, 84.9507

 0.4194, 0.0000,
0.0000

 205.4523,

 0.0000, 0.0000,

184.1302, 111.1202

0.0000

249.3476,
225.7789, 142.1779

■ 31.1599, 24.0904,
7.1453

■ 31.1599, 24.0904,
7.1453

■ 29.4116, 21.2816,
4.4426

■ 33.3328, 27.4180,
11.0094

■ 28.0507, 18.9580,
2.7618

■ 35.9593, 31.2875,
16.1501

■ 27.1139, 17.2618,
1.9028

■ 39.0674, 35.7249,
22.6700

■ 42.6822, 40.7534,
30.6607

■ 46.8268, 46.3946,
40.2059

■ 51.5229, 52.6690,
51.3829

■ 56.7909, 59.5962,
64.2639

■ 62.6499, 67.1949,
78.9166

■ 69.1185, 75.4829,
95.4053

Harmonies

Analogous

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



36.1135, 24.0904, 15.0295



31.1599, 24.0904, 7.1453



24.5369, 24.0904, 4.6105

Triad

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



31.1599, 24.0904, 7.1453



12.8135, 24.0904, 21.9044



27.8750, 24.0904, 73.5392

Complementary

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



31.1599, 24.0904, 7.1453



24.2575, 28.3990, 61.3294

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.



21.3322, 24.0904, 78.2966



31.1599, 24.0904, 7.1453



13.3771, 24.0904, 41.9487

Square

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



31.1599, 24.0904, 7.1453



14.5283, 24.0904, 10.1867



16.2419, 24.0904, 64.7886



33.9859, 24.0904, 53.7823

Rectangle

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



31.1599, 24.0904, 7.1453



20.3685, 24.0904, 4.7750



16.2419, 24.0904, 64.7886



25.6269, 24.0904, 77.2276

Sweetspot

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



31.1605, 24.0917, 7.1457



77.4072, 76.6414, 66.2498



32.4383, 18.3544, 33.1379



16.1391, 15.8240, 13.1797



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.



31.1605, 24.0917, 7.1457



47.4990, 33.2117, 5.7620



41.9787, 45.7283, 10.7518



11.5234, 11.8358, 11.7566



17.1446, 11.0222, 1.2239



0.9550, 0.7096, 0.0866

Inverse Universe

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



24.2575, 28.3990, 61.3294



35.2305, 40.3807, 100.5451



15.8089, 11.5017, 58.5132



11.2049, 12.0502, 14.3057



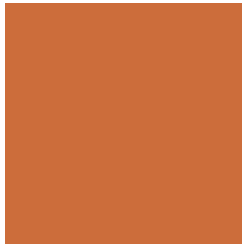
12.2849, 13.5937, 37.9326



0.7028, 0.8393, 1.9799

Previews

White Background



This preview shows how the XYZ color 31.1599, 24.0904, 7.1453 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 31.1599, 24.0904, 7.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

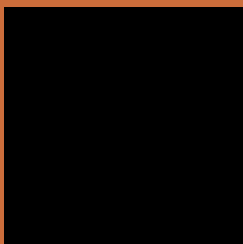
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1599, 24.0904, 7.1453

Background



This preview shows how black text looks on a background with the XYZ color 31.1599, 24.0904, 7.1453.



This preview shows how white text looks on a background with the XYZ color 31.1599, 24.0904,

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

31.1599, 24.0904, 7.1453

Protanopia

22.0715, 24.1228, 8.8031

Deuteranopia

24.6646, 24.2917, 6.8788



Tritanopia

33.3968, 24.0917, 17.6418

Trichromacy



Original Color

31.1599, 24.0904, 7.1453

Protanomaly

24.7485, 23.7269, 8.1259

Deuteranomaly

26.7294, 24.0283, 6.9705

Tritanomaly

32.3935, 23.9803, 12.8189

Monochromacy



Original Color

31.1599, 24.0904, 7.1453

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.8580, 22.7043, 16.4895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1599, 24.0904, 7.1453 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(204, 109, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 109, 59)  
}
```

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(204, 109, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 109, 59) }
```

Border

The CSS property to change the border of an element to XYZ 31.1599, 24.0904, 7.1453 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(204, 109, 59) }
```


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

```
.border{ border-color:rgb(204, 109, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 109, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 109, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 109, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 109,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1599, 24.0904, 7.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 109, 59) }
```

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

```
.background{ background-color: rgb(204,  
109, 59) }
```

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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