

Converting Colors

XYZ(31.1622, 23.8244, 9.2063)

Have a look what the booklet for
XYZ(31.1622, 23.8244, 9.2063)
contains.

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Color

**XYZ(31.1938, 23.9027,
9.2729)**

Conversions

Conversions Part 1

Format	Color
Hex	CB6C49
RGB	203, 108, 73
RGB Percent	80%, 42%, 29%
CMY	0.2039, 0.5764, 0.7137
CMYK	0.00, 0.47, 0.64, 0.20
HSL	16°, 56%, 54%
HSV	16°, 64%, 80%
XYZ	31.1938, 23.9027, 9.2729
YIQ	132.4150, 67.8550, 9.2550

Conversions

Conversions Part 2

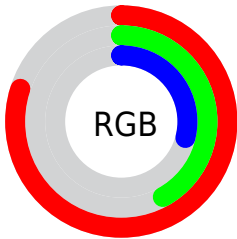
Format	Color
RYB	203, 121, 73
Decimal	13331529
CIELab	55.99, 34.59, 36.13
CIElCh	56, 50.015, 46.249
Yxy	23.9027, 0.4846, 0.3713
Android (android.graphics.Color)	4291521609 (0xFFCB6C49)
YUV	132.4150, -29.2916, 61.9030
Hunter-Lab	48.8904, 28.3311, 22.9779

Details

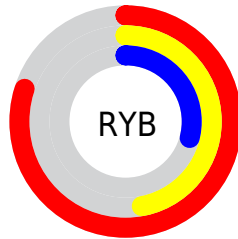
The XYZ color **31.1938, 23.9027, 9.2729** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.5288, 33.7315, 61.5596**, and the grayscale version is **22.1682, 23.3227, 25.3984**.

A 20% lighter version of the original color is **57.5600, 48.1798, 25.0048**, and **13.2125, 9.0345, 2.0844** is the 20% darker color. If you saturate the color by 10%, you get **29.1938, 20.8098, 5.8102**, and if you desaturate by 10%, it is **33.6808, 27.6184, 13.9817**.

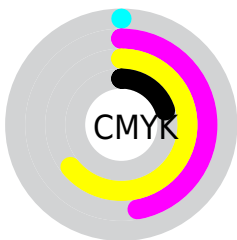
Distribution



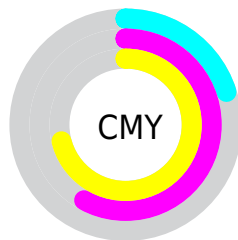
- Red (80%)
- Green (42%)
- Blue (29%)



- Red (80%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (47%)
- Yellow (64%)
- Black (20%)





- Cyan (20%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1938, 23.9027, 9.2729 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 31.1938, 23.9027, 9.2729 by changing the saturation by 10% instead.


 31.1938, 23.9027,
9.2729


 31.1938, 23.9027,
9.2729


299.2411,
272.3282, 195.6933


 20.8990, 15.2615,
4.8204


 60.9188, 49.8714,
25.0047

 13.1622, 9.0031,
2.0854


 81.0798, 67.9676,
37.1210


 7.6181, 4.7432,
0.6070


 105.2602, 89.9843,
52.6290

 3.9013, 2.0974,
0.0000

 133.8254,
116.3058, 71.9473

 1.6465, 0.6632,
0.0000

 167.1407,
147.3165, 95.4943

 0.4224, 0.0000,
0.0000

205.5715,

 0.0000, 0.0000,

183.4009, 123.6886

0.0000

249.4832,
224.9434, 156.9487

■ 31.1938, 23.9027,
9.2729

■ 31.1938, 23.9027,
9.2729

■ 29.1938, 20.8098,
5.8102

■ 33.6808, 27.6184,
13.9817

■ 27.6432, 18.3000,
3.4706

■ 36.6848, 31.9858,
20.0412

■ 26.5011, 16.3345,
2.1072

■ 40.2354, 37.0365,
27.5462

■ 25.9787, 15.3969,
1.6027

■ 44.3593, 42.7989,
36.5827

■ 49.0812, 49.2996,
47.2298

■ 54.4245, 56.5640,
59.5613

■ 60.4113, 64.6161,
73.6461

■ 67.0624, 73.4789,
89.5495

■ 74.2849, 83.1293,
106.7381

Harmonies

Analogous

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



34.9817, 23.9027, 18.1781



31.1938, 23.9027, 9.2729



25.4315, 23.9027, 5.8668

Triad

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



31.1938, 23.9027, 9.2729



13.6316, 23.9027, 19.2407



25.9333, 23.9027, 69.4226

Complementary

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



31.1938, 23.9027, 9.2729



27.5288, 33.7315, 61.5596

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.



20.2062, 23.9027, 70.1075



31.1938, 23.9027, 9.2729



13.7200, 23.9027, 35.8590

Square

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



31.1938, 23.9027, 9.2729



15.6715, 23.9027, 9.7688



15.9373, 23.9027, 56.0089



31.6139, 23.9027, 54.4083

Rectangle

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



31.1938, 23.9027, 9.2729



21.5440, 23.9027, 5.6060



15.9373, 23.9027, 56.0089



23.9356, 23.9027, 71.5006

Sweetspot

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



31.1944, 23.9040, 9.2733



77.9349, 76.7178, 69.4438



34.1101, 20.3013, 39.3296



16.2013, 15.7585, 13.7864



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.



31.1944, 23.9040, 9.2733



47.7619, 33.0553, 7.9532



40.7109, 42.9370, 12.4455



11.4540, 11.6970, 11.7335



16.5979, 9.9288, 1.0416



0.9204, 0.6404, 0.0751

Inverse Universe

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



27.5288, 33.7315, 61.5596



40.9836, 50.4403, 102.1836



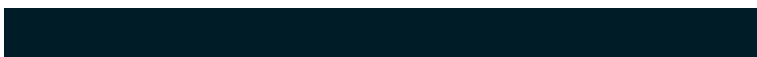
18.4107, 15.4954, 58.5202



11.2778, 12.1961, 14.3301



13.7117, 16.4474, 38.4083



0.7680, 0.9697, 2.0016

Previews

White Background



This preview shows how the XYZ color 31.1938, 23.9027, 9.2729 looks on a white background.

Color Contrast Check

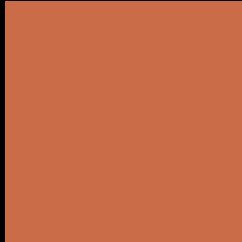
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1938, 23.9027, 9.2729 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 31.1938, 23.9027, 9.2729

Background



This preview shows how black text looks on a background with the XYZ color 31.1938, 23.9027, 9.2729.



This preview shows how white text looks on a background with the XYZ color 31.1938, 23.9027,

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

31.1938, 23.9027, 9.2729

Protanopia

22.2579, 24.1555, 11.6730

Deuteranopia

24.5192, 23.9750, 8.9656



Tritanopia

32.8963, 23.8273, 17.9042

Trichromacy



Original Color

31.1938, 23.9027, 9.2729

Protanomaly

24.6812, 23.4472, 10.6221

Deuteranomaly

26.5333, 23.7006, 8.9706

Tritanomaly

32.1111, 23.8036, 14.2114

Monochromacy



Original Color

31.1938, 23.9027, 9.2729

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.0528, 22.5827, 18.1301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1938, 23.9027, 9.2729 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(203, 108, 73)` looks like.

```
.text, #text, p{  
    color:rgb(203, 108, 73)  
}
```

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(203, 108, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 108, 73) }
```

Border

The CSS property to change the border of an element to XYZ 31.1938, 23.9027, 9.2729 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(203, 108, 73) }
```


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

```
.border{ border-color:rgb(203, 108, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 108, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 108, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 108, 73);  
box-shadow:4px 4px 4px 4px rgb(203, 108,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1938, 23.9027, 9.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 108, 73) }
```

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

```
.background{ background-color: rgb(203,  
108, 73) }
```

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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