

Converting Colors

XYZ(31.9249, 23.1317, 6.9199)

Have a look what the booklet for
XYZ(31.9249, 23.1317, 6.9199)
contains.

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Color

**XYZ(31.9249, 23.1317,
6.9199)**

Conversions

Conversions Part 1

Format	Color
Hex	D2643B
RGB	210, 100, 59
RGB Percent	82%, 39%, 23%
CMY	0.1765, 0.6078, 0.7686
CMYK	0.00, 0.52, 0.72, 0.18
HSL	16°, 63%, 53%
HSV	16°, 72%, 82%
XYZ	31.9249, 23.1317, 6.9199
YIQ	128.2160, 78.7210, 10.5690

Conversions

Conversions Part 2

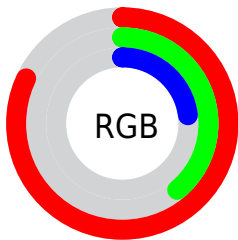
Format	Color
R _Y B	210, 115, 59
Decimal	13788219
CIE Lab	55.21, 40.63, 42.96
CIE LCh	55, 59.131, 46.593
Yxy	23.1317, 0.5151, 0.3732
Android (android.graphics.Color)	4291978299 (0xFFD2643B)
YUV	128.2160, -34.1235, 71.7246
Hunter-Lab	48.0954, 34.3182, 25.1362

Details

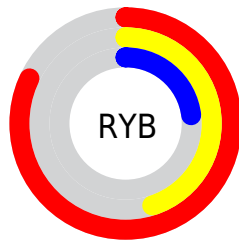
The XYZ color **31.9249, 23.1317, 6.9199** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.6233, 33.9566, 66.0707**, and the grayscale version is **20.6892, 21.7667, 23.7039**.

A 20% lighter version of the original color is **55.3380, 45.1252, 19.9808**, and **13.5531, 8.6103, 1.2642** is the 20% darker color. If you saturate the color by 10%, you get **30.1537, 20.2929, 4.1615**, and if you desaturate by 10%, it is **34.1916, 26.6116, 10.9241**.

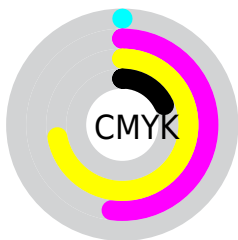
Distribution



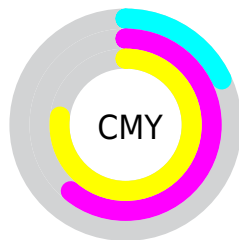
- Red (82%)
- Green (39%)
- Blue (23%)



- Red (82%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (52%)
- Yellow (72%)
- Black (18%)





- Cyan (18%)
- Magenta (61%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9249, 23.1317, 6.9199 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 31.9249, 23.1317, 6.9199 by changing the saturation by 10% instead.


 31.9249, 23.1317,
6.9199


 31.9249, 23.1317,
6.9199


302.5284,
268.4007, 176.6021

 21.4594, 14.6908,
3.3344


 62.0593, 48.6095,
20.3220

 13.5746, 8.6027,
1.2678


 82.4590, 66.4151,
30.9757


 7.9051, 4.4829,
0.0352


 106.9007, 88.1112,
44.8224

 4.0856, 1.9472,
0.0000

 135.7499,
114.0820, 62.2809

 1.7507, 0.5765,
0.0000

 169.3719,
144.7119, 83.7695

 0.4877, 0.0000,
0.0000

 208.1321,

 0.0000, 0.0000,

180.3854, 109.7069

0.0000

252.3958,
221.4869, 140.5116

■ 31.9249, 23.1317,
6.9199

■ 31.9249, 23.1317,
6.9199

■ 30.1537, 20.2929,
4.1615

■ 34.1916, 26.6116,
10.9241

■ 28.8329, 18.0492,
2.4945

■ 36.9900, 30.7668,
16.3012

■ 28.0427, 16.6306,
1.7320

■ 40.3543, 35.6331,
23.1637

■ 44.3152, 41.2428,
31.6120

■ 48.9011, 47.6260,
41.7378

■ 54.1387, 54.8113,
53.6256

■ 60.0527, 62.8255,
67.3544

■ 66.6667, 71.6943,
82.9983

■ 74.0033, 81.4423,
100.6270

Harmonies

Analogous

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



36.5506, 23.1317, 16.1577



31.9249, 23.1317, 6.9199



25.0658, 23.1317, 3.7814

Triad

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



31.9249, 23.1317, 6.9199



11.7970, 23.1317, 17.6558



25.8181, 23.1317, 78.6379

Complementary

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



31.9249, 23.1317, 6.9199



27.6233, 33.9566, 66.0707

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.



19.1694, 23.1317, 79.7622



31.9249, 23.1317, 6.9199



11.9182, 23.1317, 37.0742

Square

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



31.9249, 23.1317, 6.9199



13.9862, 23.1317, 7.5425



14.3590, 23.1317, 61.9550



32.5699, 23.1317, 59.3838

Rectangle

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



31.9249, 23.1317, 6.9199



20.5590, 23.1317, 3.5732



14.3590, 23.1317, 61.9550



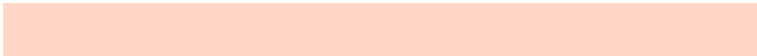
23.4775, 23.1317, 81.3928

Sweetspot

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



31.9254, 23.1330, 6.9203



75.6179, 73.5402, 64.1812



35.3727, 19.7218, 39.8404



15.7485, 15.1357, 12.7637



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.



31.9254, 23.1330, 6.9203



45.6690, 29.6158, 4.9545



42.6522, 44.5864, 10.4959



12.0662, 12.3232, 12.3547



17.1779, 10.2887, 1.0806



1.0271, 0.7085, 0.0826

Inverse Universe

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



27.6233, 33.9566, 66.0707



38.3824, 46.8202, 101.6220



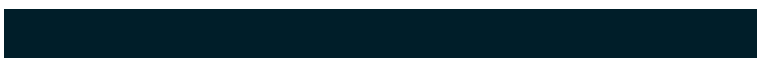
17.4600, 13.6301, 62.6830



11.8756, 12.8414, 15.0964



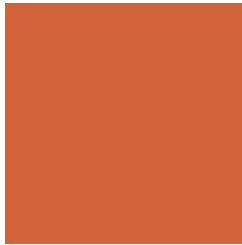
14.1288, 16.9042, 39.7107



0.8540, 1.0731, 2.2417

Previews

White Background



This preview shows how the XYZ color 31.9249, 23.1317, 6.9199 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 31.9249, 23.1317, 6.9199 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 31.9249, 23.1317, 6.9199

Background



This preview shows how black text looks on a background with the XYZ color 31.9249, 23.1317, 6.9199.



This preview shows how white text looks on a background with the XYZ color 31.9249, 23.1317,

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

31.9249, 23.1317, 6.9199

Protanopia

21.3158, 23.3157, 9.0071

Deuteranopia

23.6205, 23.1781, 6.5970



Tritanopia

33.5925, 23.1211, 15.0042

Trichromacy



Original Color

31.9249, 23.1317, 6.9199

Protanomaly

24.1537, 22.4914, 8.0693

Deuteranomaly

26.1069, 22.8222, 6.6436

Tritanomaly

32.8184, 23.0702, 11.5274

Monochromacy



Original Color

31.9249, 23.1317, 6.9199

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.0272, 21.2052, 15.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9249, 23.1317, 6.9199 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(210, 100, 59)` looks like.

```
.text, #text, p{  
    color:rgb(210, 100, 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(210, 100, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 100, 59) }
```

Border

The CSS property to change the border of an element to XYZ 31.9249, 23.1317, 6.9199 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(210, 100, 59) }
```


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

```
.border{ border-color:rgb(210, 100, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 100, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 100, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 100, 59);  
box-shadow:4px 4px 4px 4px rgb(210, 100,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9249, 23.1317, 6.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 100, 59) }
```

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

```
.background{ background-color: rgb(210,  
100, 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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