

Converting Colors

XYZ(31.1238, 23.4804, 5.7699)

Have a look what the booklet for
XYZ(31.1238, 23.4804, 5.7699)
contains.

XYZ(31.0596, 23.4467, 5.7944)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0596, 23.4467,
5.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6931
RGB	206, 105, 49
RGB Percent	81%, 41%, 19%
CMY	0.1922, 0.5882, 0.8078
CMYK	0.00, 0.49, 0.76, 0.19
HSL	21°, 62%, 50%
HSV	21°, 76%, 81%
XYZ	31.0596, 23.4467, 5.7944
YIQ	128.8150, 78.1720, 3.9960

Conversions

Conversions Part 2

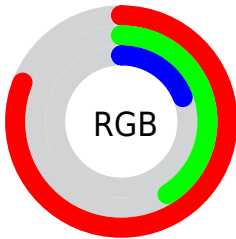
Format	Color
R_{YB}	206, 136, 49
Decimal	13527345
CIE _{Lab}	55.53, 36.08, 48.10
CIE _{LCh}	56, 60.125, 53.128
Yxy	23.4467, 0.5151, 0.3888
Android (android.graphics.Color)	4291717425 (0xFFCE6931)
YUV	128.8150, -39.3488, 67.6912
Hunter-Lab	48.4218, 29.7586, 26.8003

Details

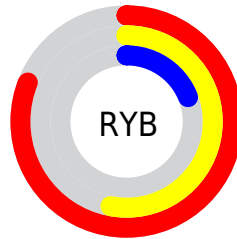
The XYZ color **31.0596, 23.4467, 5.7944** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.3128, 26.9204, 62.3597**, and the grayscale version is **20.9164, 22.0056, 23.9641**.

A 20% lighter version of the original color is **55.7190, 46.6146, 17.8652**, and **13.0432, 8.7521, 1.0019** is the 20% darker color. If you saturate the color by 10%, you get **29.4739, 20.8194, 3.5891**, and if you desaturate by 10%, it is **33.0553, 26.5766, 9.1163**.

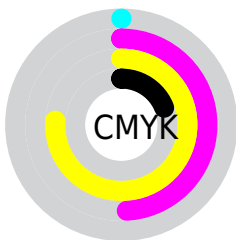
Distribution



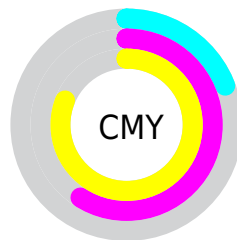
- Red (81%)
- Green (41%)
- Blue (19%)



- Red (81%)
- Yellow (53%)
- Blue (19%)



- Cyan (0%)
- Magenta (49%)
- Yellow (76%)
- Black (19%)





- Cyan (19%)
- Magenta (59%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0596, 23.4467, 5.7944 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 31.0596, 23.4467, 5.7944 by changing the saturation by 10% instead.


 31.0596, 23.4467,
5.7944


 31.0596, 23.4467,
5.7944

298.6348,
270.0111, 166.4638


 20.7963, 14.9237,
2.6537

 60.7091, 49.1258,
17.9729


 13.0868, 8.7658,
0.9200


 80.8260, 67.0506,
27.8477

 7.5657, 4.5888,
0.0000


 104.9581, 88.8782,
40.8044

 3.8678, 2.0081,
0.0000

 133.4708,
114.9930, 57.2614

 1.6276, 0.6122,
0.0000

 166.7295,
145.7792, 77.6373

 0.4103, 0.0000,
0.0000

 205.0995,

 0.0000, 0.0000,

181.6214, 102.3507

0.0000

248.9461,
222.9039, 131.8200

■ 31.0596, 23.4467,
5.7944

■ 31.0596, 23.4467,
5.7944

■ 29.4739, 20.8194,
3.5891

■ 33.0553, 26.5766,
9.1163

■ 28.2565, 18.6594,
2.3364

■ 35.4924, 30.2332,
13.6829

■ 27.8680, 17.9508,
1.9960

■ 38.4007, 34.4429,
19.6060

■ 41.8065, 39.2293,
26.9844

■ 45.7339, 44.6144,
35.9075

■ 50.2056, 50.6190,
46.4577

■ 55.2425, 57.2627,
58.7113

■ 60.8646, 64.5644,
72.7399

■ 67.0908, 72.5419,
88.6107

Harmonies

Analogous

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



36.5541, 23.4467, 13.4926



31.0596, 23.4467, 5.7944



23.8822, 23.4467, 3.5069

Triad

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



31.0596, 23.4467, 5.7944



11.6857, 23.4467, 21.3171



27.8086, 23.4467, 77.5640

Complementary

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



31.0596, 23.4467, 5.7944



23.3128, 26.9204, 62.3597

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.



20.7614, 23.4467, 83.4386



31.0596, 23.4467, 5.7944



12.3172, 23.4467, 43.1832

Square

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



31.0596, 23.4467, 5.7944



13.3980, 23.4467, 9.0398



15.3420, 23.4467, 68.5640



34.4269, 23.4467, 55.1275

Rectangle

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



31.0596, 23.4467, 5.7944



19.4535, 23.4467, 3.6987



15.3420, 23.4467, 68.5640



25.3796, 23.4467, 81.8901

Sweetspot

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



31.0601, 23.4480, 5.7948



76.1267, 75.0274, 62.9031



32.1419, 17.5545, 30.9939



15.7544, 15.3284, 12.2078



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.



31.0601, 23.4480, 5.7948



46.5201, 31.5736, 4.4504



42.8282, 46.9840, 9.7175



11.5343, 11.8576, 11.7603



17.2440, 11.2210, 1.2570



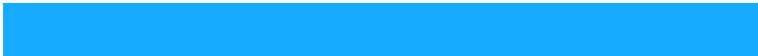
0.9609, 0.7214, 0.0886

Inverse Universe

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



23.3128, 26.9204, 62.3597



33.1972, 36.9915, 99.9981



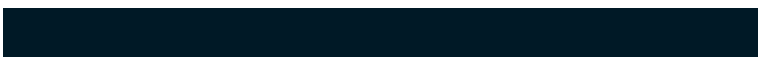
14.7604, 9.8156, 59.5089



11.1935, 12.0275, 14.3019



12.0785, 13.1810, 37.8639



0.6932, 0.8201, 1.9767

Previews

White Background



This preview shows how the XYZ color 31.0596, 23.4467, 5.7944 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 31.0596, 23.4467, 5.7944 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 31.0596, 23.4467, 5.7944

Background



This preview shows how black text looks on a background with the XYZ color 31.0596, 23.4467, 5.7944.



This preview shows how white text looks on a background with the XYZ color 31.0596, 23.4467,

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

31.0596, 23.4467, 5.7944

Protanopia

21.6580, 23.7352, 7.3107

Deuteranopia

23.9618, 23.5687, 5.5718



Tritanopia

33.3579, 23.5196, 16.4173

Trichromacy



Original Color

31.0596, 23.4467, 5.7944

Protanomaly

24.3264, 22.9783, 6.6431

Deuteranomaly

26.1265, 23.2069, 5.5850

Tritanomaly

32.3058, 23.3731, 11.4031

Monochromacy



Original Color

31.0596, 23.4467, 5.7944

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.9213, 21.5211, 15.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0596, 23.4467, 5.7944 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(206, 105, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 105, 49)  
}
```

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(206, 105, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 105, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.0596, 23.4467, 5.7944 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(206, 105, 49) }
```


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

```
.border{ border-color:rgb(206, 105, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 105, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 105, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 105, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 105,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0596, 23.4467, 5.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 105, 49) }
```

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

```
.background{ background-color: rgb(206,  
105, 49) }
```

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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