

Converting Colors

XYZ(31.1218, 22.5893, 9.4947)

Have a look what the booklet for
XYZ(31.1218, 22.5893, 9.4947)
contains.

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Color

**XYZ(31.3153, 22.7580,
9.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	CE644C
RGB	206, 100, 76
RGB Percent	81%, 39%, 30%
CMY	0.1922, 0.6078, 0.7020
CMYK	0.00, 0.51, 0.63, 0.19
HSL	11°, 57%, 55%
HSV	11°, 63%, 81%
XYZ	31.3153, 22.7580, 9.5797
YIQ	128.9580, 70.8800, 15.0080

Conversions

Conversions Part 2

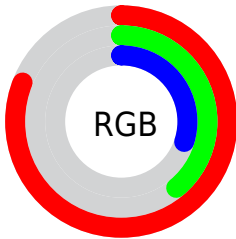
Format	Color
R_{YB}	206, 105, 76
Decimal	13526092
CIE _{Lab}	54.82, 40.07, 33.15
CIE _{LCh}	55, 52.007, 39.606
Yxy	22.7580, 0.4920, 0.3575
Android (android.graphics.Color)	4291716172 (0xFFCE644C)
YUV	128.9580, -26.1083, 67.5658
Hunter-Lab	47.7053, 33.6887, 21.4877

Details

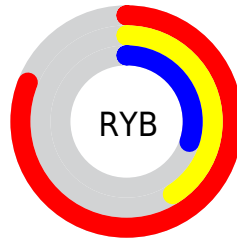
The XYZ color **31.3153, 22.7580, 9.5797** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.8477, 39.4460, 64.3802**, and the grayscale version is **20.9234, 22.0131, 23.9723**.

A 20% lighter version of the original color is **56.3329, 45.5231, 25.2198**, and **13.1997, 8.4065, 2.2232** is the 20% darker color. If you saturate the color by 10%, you get **29.2621, 19.6203, 5.9098**, and if you desaturate by 10%, it is **33.9309, 26.6541, 14.5683**.

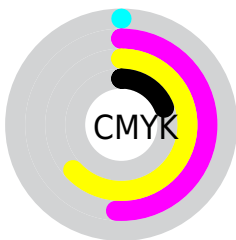
Distribution



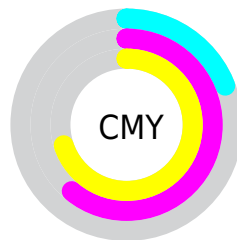
- Red (81%)
- Green (39%)
- Blue (30%)



- Red (81%)
- Yellow (41%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (63%)
- Black (19%)





- Cyan (19%)
- Magenta (61%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3153, 22.7580, 9.5797 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 31.3153, 22.7580, 9.5797 by changing the saturation by 10% instead.


 31.3153, 22.7580,
9.5797


 31.3153, 22.7580,
9.5797

299.7893,
266.4796, 198.0200


 20.9921, 14.4149,
5.0192


 61.1086, 47.9957,
25.5972


 13.2306, 8.4098,
2.1996


 81.3094, 65.6590,
37.8914


 7.6656, 4.3583,
0.6742


 105.5334, 87.1979,
53.6006

 3.9318, 1.8759,
0.0000

 134.1460,
112.9968, 73.1432

 1.6636, 0.5338,
0.0000

 167.5125,
143.4400, 96.9380

 0.4333, 0.0000,
0.0000

205.9983,

 0.0000, 0.0000,

178.9119, 125.4033

0.0000

249.9688,
219.7970, 158.9578

■ 31.3153, 22.7580,
9.5797

■ 31.3153, 22.7580,
9.5797

■ 29.2621, 19.6203,
5.9098

■ 33.9309, 26.6541,
14.5683

■ 27.7264, 17.1870,
3.4307

■ 37.1459, 31.3503,
20.9850

■ 26.6585, 15.4028,
1.9906

■ 40.9959, 36.8898,
28.9289

■ 26.1479, 14.5106,
1.4227

■ 45.5132, 43.3115,
38.4901

■ 50.7279, 50.6518,
49.7513

■ 56.6681, 58.9451,
62.7900

■ 63.3605, 68.2240,
77.6786

■ 70.8303, 78.5196,
94.4856

■ 78.0538, 89.4424,
107.7580

Harmonies

Analogous

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



34.4646, 22.7580, 19.8630



31.3153, 22.7580, 9.5797



25.7166, 22.7580, 5.3735

Triad

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



31.3153, 22.7580, 9.5797



12.8351, 22.7580, 15.3027



23.5285, 22.7580, 70.9419

Complementary

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



31.3153, 22.7580, 9.5797



30.8477, 39.4460, 64.3802

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.



18.0024, 22.7580, 67.8805



31.3153, 22.7580, 9.5797



12.4589, 22.7580, 30.4472

Square

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



31.3153, 22.7580, 9.5797



15.3208, 22.7580, 7.5149



14.1823, 22.7580, 50.9402



29.4717, 22.7580, 58.0535

Rectangle

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



31.3153, 22.7580, 9.5797



21.7070, 22.7580, 4.6887



14.1823, 22.7580, 50.9402



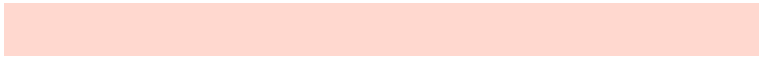
21.5548, 22.7580, 71.8392

Sweetspot

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



31.3158, 22.7592, 9.5801



76.8747, 74.5974, 69.0904



36.4987, 21.6750, 46.6062



15.9491, 15.2540, 13.7024



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.



31.3158, 22.7592, 9.5801



46.3613, 30.1462, 7.8185



40.1831, 40.4937, 12.5358



11.3771, 11.5432, 11.7079



16.1533, 9.0396, 0.8934



0.8852, 0.5702, 0.0634

Inverse Universe

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



30.8477, 39.4460, 64.3802



45.3737, 58.9923, 103.6030



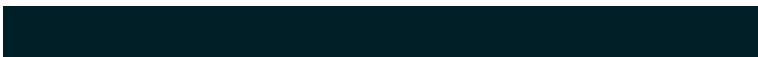
20.5019, 18.7543, 60.9316



11.3603, 12.3610, 14.3575



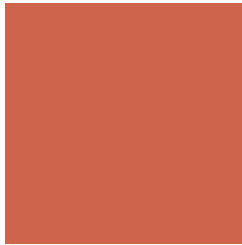
15.5438, 20.1116, 39.0190



0.8488, 1.1313, 2.0286

Previews

White Background



This preview shows how the XYZ color 31.3153, 22.7580, 9.5797 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 31.3153, 22.7580, 9.5797 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 31.3153, 22.7580, 9.5797

Background



This preview shows how black text looks on a background with the XYZ color 31.3153, 22.7580, 9.5797.



This preview shows how white text looks on a background with the XYZ color 31.3153, 22.7580,

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

31.3153, 22.7580, 9.5797

Protanopia

21.3404, 23.0467, 12.5562

Deuteranopia

23.2961, 22.9537, 9.1639



Tritanopia

32.6435, 22.7549, 15.5036

Trichromacy



Original Color

31.3153, 22.7580, 9.5797

Protanomaly

24.0426, 22.1800, 11.4015

Deuteranomaly

25.6953, 22.5507, 9.3018

Tritanomaly

31.9826, 22.6051, 13.0335

Monochromacy



Original Color

31.3153, 22.7580, 9.5797

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.1975, 21.2508, 17.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3153, 22.7580, 9.5797 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, 100, 76)` looks like.

```
.text, #text, p{  
    color:rgb(206, 100, 76)  
}
```

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, 100, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 100, 76) }
```

Border

The CSS property to change the border of an element to XYZ 31.3153, 22.7580, 9.5797 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, 100, 76) }
```


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

```
.border{ border-color:rgb(206, 100, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 100, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 100, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 100, 76);  
box-shadow:4px 4px 4px 4px rgb(206, 100,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3153, 22.7580, 9.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 100, 76) }
```

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

```
.background{ background-color: rgb(206,  
100, 76) }
```

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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