

Converting Colors

XYZ(31.3692, 22.3043, 7.9229)

Have a look what the booklet for
XYZ(31.3692, 22.3043, 7.9229)
contains.

XYZ(31.4905, 22.3263, 7.9599)	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(31.4905, 22.3263,
7.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	D16043
RGB	209, 96, 67
RGB Percent	82%, 38%, 26%
CMY	0.1804, 0.6235, 0.7372
CMYK	0.00, 0.54, 0.68, 0.18
HSL	12°, 61%, 54%
HSV	12°, 68%, 82%
XYZ	31.4905, 22.3263, 7.9599
YIQ	126.4810, 76.6570, 14.9370

Conversions

Conversions Part 2

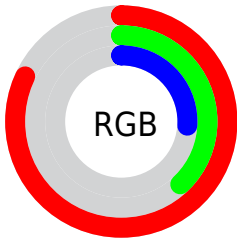
Format	Color
R_{YB}	209, 103, 67
Decimal	13721667
CIE _{Lab}	54.37, 42.65, 37.70
CIE _{LCh}	54, 56.929, 41.475
Yxy	22.3263, 0.5097, 0.3614
Android (android.graphics.Color)	4291911747 (0xFFD16043)
YUV	126.4810, -29.3241, 72.3692
Hunter-Lab	47.2507, 36.2736, 23.0875

Details

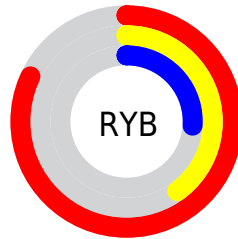
The XYZ color **31.4905, 22.3263, 7.9599** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.1434, 38.4368, 66.1516**, and the grayscale version is **20.0745, 21.1200, 22.9997**.

A 20% lighter version of the original color is **55.1398, 44.0158, 22.1127**, and **13.2582, 8.1552, 1.6344** is the 20% darker color. If you saturate the color by 10%, you get **29.6127, 19.3997, 4.7790**, and if you desaturate by 10%, it is **33.9165, 25.9878, 12.4396**.

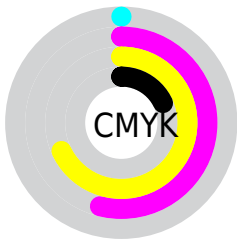
Distribution



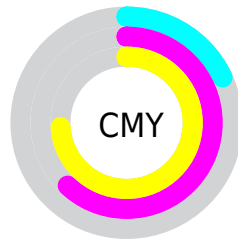
- Red (82%)
- Green (38%)
- Blue (26%)



- Red (82%)
- Yellow (40%)
- Blue (26%)



- Cyan (0%)
- Magenta (54%)
- Yellow (68%)
- Black (18%)



- Cyan (18%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4905, 22.3263, 7.9599 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 31.4905, 22.3263, 7.9599 by changing the saturation by 10% instead.


 31.4905, 22.3263,
7.9599


 31.4905, 22.3263,
7.9599


300.5784,
264.2456, 185.3400


 21.1263, 14.0969,
3.9819


 61.3821, 47.2847,
22.4247


 13.3293, 8.1881,
1.6154


 81.6402, 64.7825,
33.7485

 7.7343, 4.2155,
0.3018


 105.9270, 86.1385,
48.3580

 3.9758, 1.7948,
0.0000

 134.6078,
111.7371, 66.6718

 1.6884, 0.4840,
0.0000

 168.0480,
141.9627, 89.1083

 0.4490, 0.0000,
0.0000

206.6129,

 0.0000, 0.0000,

177.1997, 116.0862

0.0000

250.6679,
217.8325, 148.0239

■ 31.4905, 22.3263,
7.9599

■ 31.4905, 22.3263,
7.9599

■ 29.6127, 19.3997,
4.7790

■ 33.9165, 25.9878,
12.4396

■ 28.2354, 17.1532,
2.7539

■ 36.9296, 30.4264,
18.3384

■ 27.2994, 15.5276,
1.6818

■ 40.5669, 35.6857,
25.7640

■ 27.1471, 15.2607,
1.5148

■ 44.8618, 41.8045,
34.8132

■ 49.8452, 48.8193,
45.5749

■ 55.5462, 56.7647,
58.1315

■ 61.9920, 65.6730,
72.5601

■ 69.2085, 75.5753,
88.9331

■ 77.2040, 86.4946,
107.2338

Harmonies

Analogous

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



35.2156, 22.3263, 18.1180



31.4905, 22.3263, 7.9599



25.2476, 22.3263, 4.1582

Triad

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



31.4905, 22.3263, 7.9599



11.7879, 22.3263, 14.9777



23.6872, 22.3263, 75.6280

Complementary

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



31.4905, 22.3263, 7.9599



30.1434, 38.4368, 66.1516

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.



17.6461, 22.3263, 73.3305



31.4905, 22.3263, 7.9599



11.5328, 22.3263, 31.7719

Square

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



31.4905, 22.3263, 7.9599



14.2502, 22.3263, 6.6283



13.4682, 22.3263, 54.7440



30.1579, 22.3263, 60.0173

Rectangle

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



31.4905, 22.3263, 7.9599



20.9145, 22.3263, 3.6386



13.4682, 22.3263, 54.7440



21.5294, 22.3263, 77.0704

Sweetspot

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



31.4910, 22.3275, 7.9603



76.2915, 73.9245, 67.3746



36.6011, 20.8895, 45.6041



15.8453, 15.1422, 13.3724



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.



31.4910, 22.3275, 7.9603



45.2714, 28.5369, 5.6966



41.0166, 41.3786, 11.1355



12.0016, 12.1938, 12.3331



16.7953, 9.5236, 0.9530



0.9970, 0.6482, 0.0726

Inverse Universe

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



30.1434, 38.4368, 66.1516



42.7876, 55.0294, 102.9743



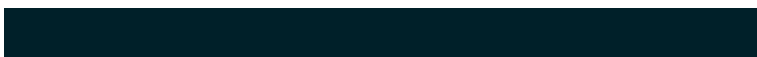
19.3563, 16.8627, 62.5559



11.9448, 12.9798, 15.1195



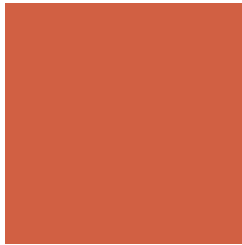
15.6101, 19.8669, 40.2044



0.9259, 1.2170, 2.2657

Previews

White Background



This preview shows how the XYZ color 31.4905, 22.3263, 7.9599 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 31.4905, 22.3263, 7.9599 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 31.4905, 22.3263, 7.9599

Background



This preview shows how black text looks on a background with the XYZ color 31.4905, 22.3263, 7.9599.



This preview shows how white text looks on a background with the XYZ color 31.4905, 22.3263,

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

31.4905, 22.3263, 7.9599

Protanopia

20.8553, 22.6368, 10.6673

Deuteranopia

22.7479, 22.3293, 7.5259



Tritanopia

32.8957, 22.3850, 14.1422

Trichromacy



Original Color

31.4905, 22.3263, 7.9599

Protanomaly

23.6848, 21.6804, 9.5930

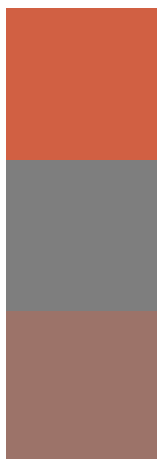
Deuteranomaly

25.2746, 21.8585, 7.5896

Tritanomaly

32.2130, 22.2185, 11.6076

Monochromacy



Original Color

31.4905, 22.3263, 7.9599

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.3908, 20.3493, 16.1123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4905, 22.3263, 7.9599 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(209, 96, 67)` looks like.

```
.text, #text, p{  
    color:rgb(209, 96, 67)  
}
```

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(209, 96, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 96, 67) }
```

Border

The CSS property to change the border of an element to XYZ 31.4905, 22.3263, 7.9599 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(209, 96, 67) }
```


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

```
.border{ border-color:rgb(209, 96, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 96, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 96, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 96, 67);  
box-shadow:4px 4px 4px 4px rgb(209, 96,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4905, 22.3263, 7.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 96, 67) }
```

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

```
.background{ background-color: rgb(209, 96,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor