

Converting Colors

XYZ(29.3302, 22.5964, 2.9236)

Have a look what the booklet for
XYZ(29.3302, 22.5964, 2.9236)
contains.

XYZ(29.4306, 22.6685, 2.9392)	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(29.4306, 22.6685,
2.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6904
RGB	202, 105, 4
RGB Percent	79%, 41%, 2%
CMY	0.2078, 0.5882, 0.9843
CMYK	0.00, 0.48, 0.98, 0.21
HSL	31°, 96%, 40%
HSV	31°, 98%, 79%
XYZ	29.4306, 22.6685, 2.9392
YIQ	122.4890, 90.2330, -10.8470

Conversions

Conversions Part 2

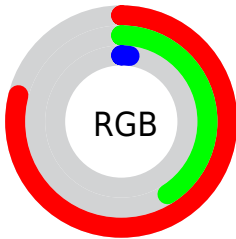
Format	Color
RYB	194, 202, 4
Decimal	13265156
CIELab	54.73, 33.40, 61.95
CIELCh	55, 70.380, 61.671
Yxy	22.6685, 0.5347, 0.4119
Android (android.graphics.Color)	4291455236 (0xFFCA6904)
YUV	122.4890, -58.4151, 69.7311
Hunter-Lab	47.6114, 27.0182, 29.6679

Details

The XYZ color **29.4306, 22.6685, 2.9392** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.3644, 13.5975, 57.6913**, and the grayscale version is **18.8247, 19.8050, 21.5677**.

A 20% lighter version of the original color is **54.3101, 45.7792, 11.2840**, and **12.3987, 8.4911, 0.9855** is the 20% darker color. If you saturate the color by 10%, you get **29.2114, 22.2656, 2.7581**, and if you desaturate by 10%, it is **30.6435, 24.8624, 4.0594**.

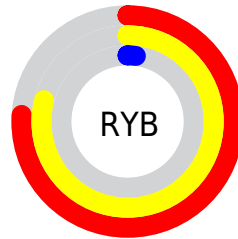
Distribution



Red (79%)

Green (41%)

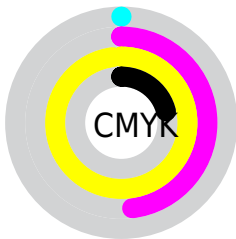
Blue (2%)



Red (76%)

Yellow (79%)

Blue (2%)

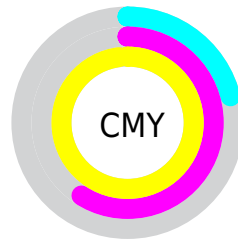


Cyan (0%)

Magenta (48%)

Yellow (98%)

Black (21%)



Cyan (21%)


Magenta (59%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4306, 22.6685, 2.9392 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 29.4306, 22.6685, 2.9392 by changing the saturation by 10% instead.


 29.4306, 22.6685,
2.9392


 29.4306, 22.6685,
2.9392


291.1989,
266.0177, 135.5824


 19.5527, 14.3489,
1.0637


 58.1534, 47.8484,
11.4780

 12.1767, 8.3637,
0.0000


 77.7290, 65.4776,
18.9784

 6.9372, 4.3286,
0.0000


 101.2678, 86.9787,
29.1909

 3.4688, 1.8590,
0.0000

 129.1354,
112.7362, 42.5339

 1.4063, 0.5236,
0.0000

 161.6969,
143.1344, 59.4260


 0.2607, 0.0000,
0.0000


 199.3177,


 0.0000, 0.0000,


178.5578, 80.2858


0.0000


 242.3633,
219.3908, 105.5317


 29.4306, 22.6685,
2.9392


 29.4306, 22.6685,
2.9392


 29.2114, 22.2656,
2.7581

 30.6435, 24.8624,
4.0594

 32.1273, 27.3575,
6.0105

 33.9209, 30.1761,
8.9783

 36.0516, 33.3347,
13.0884

 38.5428, 36.8480,
18.4475

■ 41.4154, 40.7296,
25.1503

■ 44.6885, 44.9921,
33.2819

■ 48.3799, 49.6474,
42.9207

■ 52.5060, 54.7067,
54.1389

Harmonies

Analogous

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



36.9039, 22.6685, 8.3568



29.4306, 22.6685, 2.9392



21.1135, 22.6685, 1.8696

Triad

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



29.4306, 22.6685, 2.9392



9.8074, 22.6685, 25.9496



30.3683, 22.6685, 81.8426

Complementary

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



29.4306, 22.6685, 2.9392



15.3644, 13.5975, 57.6913

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.



21.9838, 22.6685, 96.7806



29.4306, 22.6685, 2.9392



11.1779, 22.6685, 54.6058

Square

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



29.4306, 22.6685, 2.9392



10.8993, 22.6685, 9.4499



15.2122, 22.6685, 84.6453



37.5304, 22.6685, 51.0220

Rectangle

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



29.4306, 22.6685, 2.9392



16.4918, 22.6685, 2.4602



15.2122, 22.6685, 84.6453



27.5392, 22.6685, 89.5052

Sweetspot

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



29.4311, 22.6697, 2.9396



74.8580, 75.1430, 54.3016



26.8487, 13.6228, 14.0472



15.5005, 15.4069, 10.3152



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.



29.4311, 22.6697, 2.9396



49.2333, 37.2466, 4.5944



45.4992, 54.8059, 8.2956



11.6775, 12.1440, 11.8080



18.8869, 14.5067, 1.8046



1.0502, 0.9001, 0.1184

Inverse Universe

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



15.3644, 13.5975, 57.6913



25.3735, 21.8670, 97.4912



10.7542, 4.3771, 56.1546



11.0479, 11.7362, 14.2534



9.8172, 8.6583, 37.1101



0.5824, 0.5985, 1.9398

Previews

White Background



This preview shows how the XYZ color 29.4306, 22.6685, 2.9392 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 29.4306, 22.6685, 2.9392 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 29.4306, 22.6685, 2.9392

Background



This preview shows how black text looks on a background with the XYZ color 29.4306, 22.6685, 2.9392.



This preview shows how white text looks on a background with the XYZ color 29.4306, 22.6685,

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

29.4306, 22.6685, 2.9392

Protanopia

20.5732, 22.8421, 3.8969

Deuteranopia

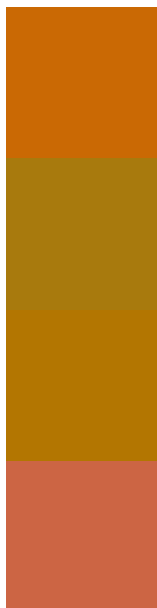
23.0595, 22.7742, 3.1805



Tritanopia

32.0432, 22.7140, 15.7921

Trichromacy



Original Color

29.4306, 22.6685, 2.9392

Protanomaly

23.1806, 22.2730, 3.4581

Deuteranomaly

25.0743, 22.5428, 3.0583

Tritanomaly

30.5989, 22.5621, 8.2110

Monochromacy



Original Color

29.4306, 22.6685, 2.9392

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.4192, 19.6346, 10.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4306, 22.6685, 2.9392 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(202, 105, 4)` looks like.

```
.text, #text, p{  
    color:rgb(202, 105, 4)  
}
```

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(202, 105, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 105, 4) }
```

Border

The CSS property to change the border of an element to XYZ 29.4306, 22.6685, 2.9392 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(202, 105, 4) }
```


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

```
.border{ border-color:rgb(202, 105, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 105, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 105, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 105, 4);  
box-shadow:4px 4px 4px 4px rgb(202, 105,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4306, 22.6685, 2.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 105, 4) }
```

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

```
.background{ background-color: rgb(202,  
105, 4) }
```

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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