

Converting Colors

XYZ(29.2814, 21.5964, 2.6252)

Have a look what the booklet for
XYZ(29.2814, 21.5964, 2.6252)
contains.

XYZ(29.2695, 21.5727, 2.6213)	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(29.2695, 21.5727,
2.6213)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6200
RGB	204, 98, 0
RGB Percent	80%, 38%, 0%
CMY	0.2000, 0.6157, 1.0000
CMYK	0.00, 0.52, 1.00, 0.20
HSL	29°, 100%, 40%
HSV	29°, 100%, 80%
XYZ	29.2695, 21.5727, 2.6213
YIQ	118.5220, 94.6340, -8.0060

Conversions

Conversions Part 2

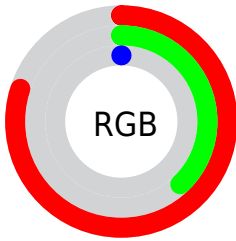
Format	Color
RYB	204, 189, 0
Decimal	13394432
CIELab	53.57, 37.77, 62.20
CIELCh	54, 72.771, 58.730
Yxy	21.5727, 0.5475, 0.4035
Android (android.graphics.Color)	4291584512 (0xFFCC6200)
YUV	118.5220, -58.4313, 74.9642
Hunter-Lab	46.4464, 31.2055, 29.1663

Details

The XYZ color **29.2695, 21.5727, 2.6213** 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 **16.0530, 14.6675, 59.1113**, and the grayscale version is **17.5421, 18.4556, 20.0982**.

A 20% lighter version of the original color is **53.0718, 43.4429, 10.4386**, and **12.2123, 7.8647, 0.8744** is the 20% darker color. If you saturate the color by 10%, you get **29.2696, 21.5733, 2.6214**, and if you desaturate by 10%, it is **30.4583, 23.7427, 3.6584**.

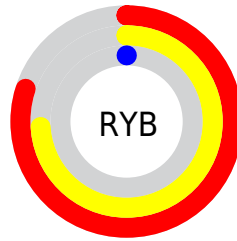
Distribution



Red (80%)

Green (38%)

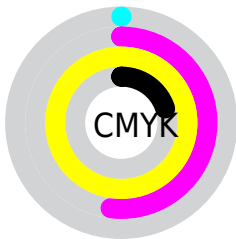
Blue (0%)



Red (80%)

Yellow (74%)

Blue (0%)

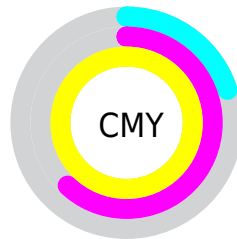


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2695, 21.5727, 2.6213 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 29.2695, 21.5727, 2.6213 by changing the saturation by 10% instead.

■ 29.2695, 21.5727,
2.6213

■ 29.2695, 21.5727,
2.6213

290.4557,
260.3066, 131.3807

■ 19.4301, 13.5433,
0.9034

■ 57.8996, 46.0387,
10.6787

■ 12.0873, 7.8037,
0.0000

■ 77.4210, 63.2441,
17.8566

■ 6.8758, 3.9696,
0.0000

■ 100.9004, 84.2770,
27.6921

■ 3.4302, 1.6566,
0.0000

■ 128.7033,
109.5216, 40.6035

■ 1.3851, 0.3953,
0.0000

■ 161.1949,
139.3626, 57.0096

■ 0.2456, 0.0000,
0.0000

■ 198.7406,

■ 0.0000, 0.0000,

174.1841, 77.3288

0.0000

■ 241.7057,
214.3706, 101.9797

■ 29.2695, 21.5727,
2.6213

■ 29.2695, 21.5727,
2.6213

■ 29.2696, 21.5733,
2.6214

■ 30.4583, 23.7427,
3.6584

■ 31.9198, 26.2387,
5.4624

■ 33.7063, 29.0900,
8.2825

■ 35.8470, 32.3152,
12.2524

■ 38.3675, 35.9314,
17.4852

■ 41.2904, 39.9539,
24.0801

■ 44.6362, 44.3972,
32.1265

■ 48.4239, 49.2749,
41.7059

■ 52.6712, 54.5998,
52.8937

Harmonies

Analogous

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



36.5770, 21.5727, 8.3494



29.2695, 21.5727, 2.6213



20.8367, 21.5727, 1.4308

Triad

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



29.2695, 21.5727, 2.6213



8.9083, 21.5727, 22.5544



28.5492, 21.5727, 84.4569

Complementary

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



29.2695, 21.5727, 2.6213



16.0530, 14.6675, 59.1113

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.



20.1752, 21.5727, 97.3941



29.2695, 21.5727, 2.6213



10.0024, 21.5727, 50.6143

Square

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



29.2695, 21.5727, 2.6213



10.2087, 21.5727, 7.5529



13.6909, 21.5727, 82.2531



36.0926, 21.5727, 53.4011

Rectangle

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



29.2695, 21.5727, 2.6213



16.0746, 21.5727, 1.8089



13.6909, 21.5727, 82.2531



25.6808, 21.5727, 91.6927

Sweetspot

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



29.2700, 21.5739, 2.6217



73.6907, 73.2235, 52.6328



27.6514, 13.9373, 15.6451



15.2501, 14.9841, 9.9915



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.



29.2700, 21.5739, 2.6217



48.2617, 35.3033, 4.2706



44.9132, 52.8604, 7.8361



11.6496, 12.0881, 11.7987



18.5150, 13.7630, 1.6807



1.0310, 0.8617, 0.1120

Inverse Universe

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



16.0530, 14.6675, 59.1113



26.3686, 23.8572, 97.8229



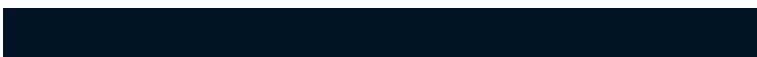
10.9729, 4.5074, 57.4179



11.0759, 11.7922, 14.2627



10.1975, 9.4191, 37.2369



0.6018, 0.6374, 1.9463

Previews

White Background



This preview shows how the XYZ color 29.2695, 21.5727, 2.6213 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 29.2695, 21.5727, 2.6213 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 29.2695, 21.5727, 2.6213

Background



This preview shows how black text looks on a background with the XYZ color 29.2695, 21.5727, 2.6213.



This preview shows how white text looks on a background with the XYZ color 29.2695, 21.5727,

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

29.2695, 21.5727, 2.6213

Protanopia

19.6365, 21.7639, 3.7382

Deuteranopia

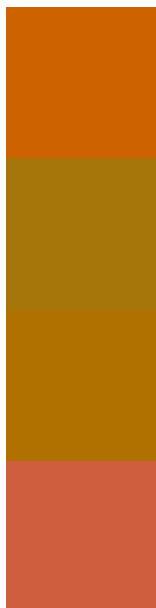
21.8598, 21.6004, 3.0172



Tritanopia

31.6309, 21.6106, 13.8134

Trichromacy



Original Color

29.2695, 21.5727, 2.6213

Protanomaly

22.2647, 21.0880, 3.2135

Deuteranomaly

24.0366, 21.1574, 2.8169

Tritanomaly

30.3258, 21.4750, 7.1042

Monochromacy



Original Color

29.2695, 21.5727, 2.6213

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.5666, 18.3747, 9.3529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2695, 21.5727, 2.6213 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(204, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 98, 0)  
}
```

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(204, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 98, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.2695, 21.5727, 2.6213 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(204, 98, 0) }
```


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

```
.border{ border-color:rgb(204, 98, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 98, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 98, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.2695, 21.5727, 2.6213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 98, 0) }
```

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

```
.background{ background-color: rgb(204, 98,  
0) }
```

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