

Converting Colors

XYZ(29.4645, 21.9539, 2.7133)

Have a look what the booklet for
XYZ(29.4645, 21.9539, 2.7133)
contains.

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Color

**XYZ(29.4645, 21.9539,
2.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6401
RGB	204, 100, 1
RGB Percent	80%, 39%, 0%
CMY	0.2000, 0.6078, 0.9961
CMYK	0.00, 0.51, 1.00, 0.20
HSL	29°, 99%, 40%
HSV	29°, 100%, 80%
XYZ	29.4645, 21.9539, 2.7133
YIQ	119.8100, 93.7630, -8.7410

Conversions

Conversions Part 2

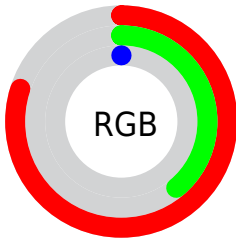
Format	Color
RYB	204, 194, 1
Decimal	13394945
CIELab	53.98, 36.77, 62.23
CIElCh	54, 72.283, 59.427
Yxy	21.9539, 0.5443, 0.4056
Android (android.graphics.Color)	4291585025 (0xFFCC6401)
YUV	119.8100, -58.5733, 73.8346
Hunter-Lab	46.8550, 30.2525, 29.3651

Details

The XYZ color **29.4645, 21.9539, 2.7133** 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 **15.9630, 14.4690, 59.0777**, and the grayscale version is **17.9530, 18.8880, 20.5690**.

A 20% lighter version of the original color is **53.4224, 44.0981, 10.6971**, and **12.2959, 8.0320, 0.9023** is the 20% darker color. If you saturate the color by 10%, you get **29.4102, 21.8543, 2.6682**, and if you desaturate by 10%, it is **30.6662, 24.1438, 3.7733**.

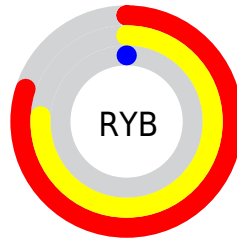
Distribution



Red (80%)

Green (39%)

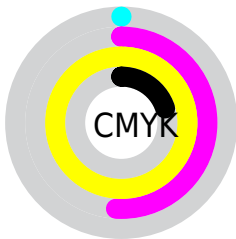
Blue (0%)



Red (80%)

Yellow (76%)

Blue (0%)

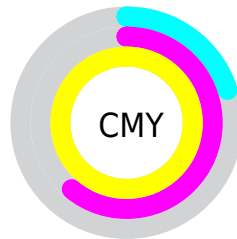


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4645, 21.9539, 2.7133 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 29.4645, 21.9539, 2.7133 by changing the saturation by 10% instead.


 29.4645, 21.9539,
2.7133


 29.4645, 21.9539,
2.7133


291.3552,
262.3054, 132.6209


 19.5785, 13.8230,
0.9501


 58.2067, 46.6698,
10.9124

 12.1955, 7.9977,
0.0000


 77.7937, 64.0236,
18.1855


 6.9501, 4.0935,
0.0000


 101.3451, 85.2205,
28.1322

 3.4770, 1.7260,
0.0000

 129.2262,
110.6449, 41.1713

 1.4107, 0.4404,
0.0000

 161.8024,
140.6812, 57.7211


 0.2639, 0.0000,
0.0000


 199.4391,


 0.0000, 0.0000,


175.7138, 78.2003


0.0000


 242.5015,
216.1271, 103.0274


 29.4645, 21.9539,
2.7133


 29.4645, 21.9539,
2.7133


 29.4102, 21.8543,
2.6682

 30.6662, 24.1438,
3.7733

 32.1423, 26.6555,
5.6233

 33.9414, 29.5166,
8.4955

 36.0925, 32.7452,
12.5222

 38.6207, 36.3579,
17.8157

■ 41.5483, 40.3696,
24.4746

■ 44.8955, 44.7944,
32.5876

■ 48.6813, 49.6455,
42.2361

■ 52.9230, 54.9354,
53.4951

Harmonies

Analogous

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



36.8493, 21.9539, 8.3992



29.4645, 21.9539, 2.7133



21.0168, 21.9539, 1.5405

Triad

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



29.4645, 21.9539, 2.7133



9.1733, 21.9539, 23.4773



29.1389, 21.9539, 84.2459

Complementary

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



29.4645, 21.9539, 2.7133



15.9630, 14.4690, 59.0777

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.



20.7170, 21.9539, 97.7408



29.4645, 21.9539, 2.7133



10.3380, 21.9539, 51.8356

Square

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



29.4645, 21.9539, 2.7133



10.4322, 21.9539, 8.0343



14.1286, 21.9539, 83.2555



36.6307, 21.9539, 53.0915

Rectangle

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



29.4645, 21.9539, 2.7133



16.2640, 21.9539, 1.9677



14.1286, 21.9539, 83.2555



26.2645, 21.9539, 91.6236

Sweetspot

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



29.4650, 21.9551, 2.7137



73.8332, 73.5086, 52.6803



27.5082, 13.8973, 14.8372



15.2837, 15.0514, 10.0027



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.



29.4650, 21.9551, 2.7137



48.4934, 35.7669, 4.3478



45.7044, 54.4340, 8.1268



11.6564, 12.1018, 11.8010



18.6039, 13.9407, 1.7103



1.0356, 0.8710, 0.1135

Inverse Universe

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



15.9630, 14.4690, 59.0777



26.1174, 23.3548, 97.7391



10.9592, 4.4614, 57.4098



11.0690, 11.7784, 14.2604



10.1017, 9.2273, 37.2049



0.5970, 0.6277, 1.9446

Previews

White Background



This preview shows how the XYZ color 29.4645, 21.9539, 2.7133 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 29.4645, 21.9539, 2.7133 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 29.4645, 21.9539, 2.7133

Background



This preview shows how black text looks on a background with the XYZ color 29.4645, 21.9539, 2.7133.



This preview shows how white text looks on a background with the XYZ color 29.4645, 21.9539,

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

29.4645, 21.9539, 2.7133

Protanopia

19.9459, 22.1199, 3.7906

Deuteranopia

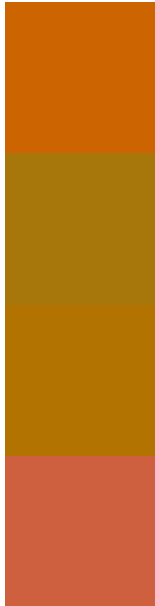
22.3928, 22.0584, 3.0775



Tritanopia

31.8986, 21.9950, 14.3686

Trichromacy



Original Color

29.4645, 21.9539, 2.7133

Protanomaly

22.5995, 21.4357, 3.2942

Deuteranomaly

24.7211, 21.8452, 2.9136

Tritanomaly

30.5337, 21.8464, 7.3101

Monochromacy



Original Color

29.4645, 21.9539, 2.7133

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.0072, 18.9254, 9.6197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4645, 21.9539, 2.7133 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, 100, 1)` looks like.

```
.text, #text, p{  
    color:rgb(204, 100, 1)  
}
```

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, 100, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 100, 1) }
```

Border

The CSS property to change the border of an element to XYZ 29.4645, 21.9539, 2.7133 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, 100, 1) }
```


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

```
.border{ border-color:rgb(204, 100, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 100, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 100, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 100, 1);  
box-shadow:4px 4px 4px 4px rgb(204, 100,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4645, 21.9539, 2.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 100, 1) }
```

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

```
.background{ background-color: rgb(204,  
100, 1) }
```

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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