

Converting Colors

XYZ(29.3741, 16.2693, 1.5921)

Have a look what the booklet for
XYZ(29.3741, 16.2693, 1.5921)
contains.

XYZ(29.3741, 16.2693, 1.5921)	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(29.3741, 16.2693,
1.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	D92800
RGB	217, 40, 0
RGB Percent	85%, 16%, 0%
CMY	0.1490, 0.8431, 1.0000
CMYK	0.00, 0.82, 1.00, 0.15
HSL	11°, 100%, 43%
HSV	11°, 100%, 85%
XYZ	29.3741, 16.2693, 1.5921
YIQ	88.3630, 118.3320, 25.0840

Conversions

Conversions Part 2

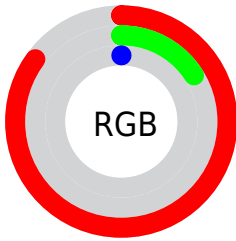
Format	Color
RYB	217, 49, 0
Decimal	14231552
CIELab	47.33, 65.09, 60.28
CIElCh	47, 88.714, 42.800
Yxy	16.2693, 0.6219, 0.3444
Android (android.graphics.Color)	4292421632 (0xFFD92800)
YUV	88.3630, -43.5630, 112.8146
Hunter-Lab	40.3352, 59.4059, 25.8944

Details

The XYZ color **29.3741, 16.2693, 1.5921** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **28.2434, 36.4479, 71.1918**, and the grayscale version is **9.4313, 9.9225, 10.8056**.

A 20% lighter version of the original color is **46.8041, 31.2460, 7.3056**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **29.3744, 16.2702, 1.5923**, and if you desaturate by 10%, it is **30.2558, 17.8058, 2.5863**.

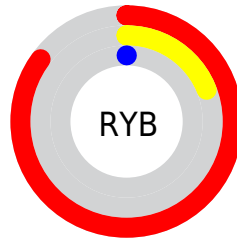
Distribution



Red (85%)

Green (16%)

Blue (0%)



Red (85%)

Yellow (19%)

Blue (0%)

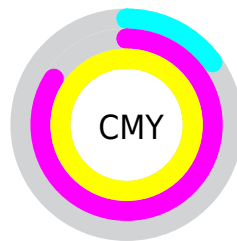


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (84%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3741, 16.2693, 1.5921 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 29.3741, 16.2693, 1.5921 by changing the saturation by 10% instead.


 29.3741, 16.2693,
1.5921


 29.3741, 16.2693,
1.5921


 290.9385,
230.9256, 115.6817


 19.5097, 9.7149,
0.2852


 58.0644, 37.0651,
7.8922


 12.1453, 5.2104,
0.0000


 77.6210, 52.0753,
13.8695

 6.9156, 2.3712,
0.0000


 101.1390, 70.6729,
22.2896

 3.4553, 0.8110,
0.0000

 128.9839, 93.2423,
33.5711

 1.3988, 0.0000,
0.0000

 161.5209,
120.1678, 48.1325


 0.2554, 0.0000,
0.0000


 199.1154,


 0.0000, 0.0000,


151.8340, 66.3924


0.0000


 242.1328,
188.6251, 88.7693


 29.3741, 16.2693,
1.5921


 29.3741, 16.2693,
1.5921


 29.3744, 16.2702,
1.5923

 30.2558, 17.8058,
2.5863

 31.6027, 20.0174,
4.5224

 33.4963, 22.9828,
7.6871

 35.9910, 26.7640,
12.2434

 39.1343, 31.4164,
18.3290

■ 42.9687, 36.9904,
26.0652

■ 47.5330, 43.5325,
35.5607

■ 52.8632, 51.0859,
46.9152

■ 58.9925, 59.6915,
60.2208

Harmonies

Analogous

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



35.3183, 16.2693, 9.7667



29.3741, 16.2693, 1.5921



20.3642, 16.2693, 0.0000

Triad

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



29.3741, 16.2693, 1.5921



5.0694, 16.2693, 7.7679



19.0502, 16.2693, 101.9972

Complementary

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



29.3741, 16.2693, 1.5921



28.2434, 36.4479, 71.1918

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.



11.4197, 16.2693, 99.2656



29.3741, 16.2693, 1.5921



4.9283, 16.2693, 29.1066

Square

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



29.3741, 16.2693, 1.5921



7.3149, 16.2693, 1.1665



6.8292, 16.2693, 66.2308



28.1364, 16.2693, 72.0397

Rectangle

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



29.3741, 16.2693, 1.5921



14.7386, 16.2693, 0.0000



6.8292, 16.2693, 66.2308



16.2118, 16.2693, 105.3141

Sweetspot

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



29.3744, 16.2703, 1.5923



68.3093, 62.4608, 50.8390



36.5725, 17.9346, 43.2423



13.9964, 12.4768, 9.5736



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.



29.3744, 16.2703, 1.5923



42.2574, 23.2948, 2.2691



39.2495, 36.0205, 4.8840



13.2493, 13.4380, 13.6211



17.8380, 9.9616, 0.9826



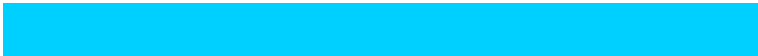
1.2141, 0.7623, 0.0831

Inverse Universe

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



28.2434, 36.4479, 71.1918



40.6004, 52.3207, 102.5668



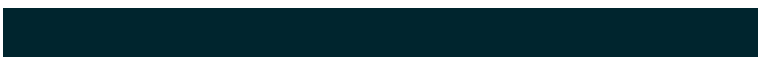
14.6351, 9.2313, 66.6557



13.2301, 14.3999, 16.7343



17.1692, 22.2079, 43.1200



1.1664, 1.5469, 2.8116

Previews

White Background



This preview shows how the XYZ color 29.3741, 16.2693, 1.5921 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3741, 16.2693, 1.5921

Background



This preview shows how black text looks on a background with the XYZ color 29.3741, 16.2693, 1.5921.



This preview shows how white text looks on a background with the XYZ color 29.3741, 16.2693,

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

29.3741, 16.2693, 1.5921

Protanopia

14.8440, 16.3969, 3.3598

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

29.6268, 16.2653, 3.2471

Trichromacy



Original Color

29.3741, 16.2693, 1.5921

Protanomaly

17.9262, 14.1696, 2.3205

Deuteranomaly

19.6708, 14.7326, 1.8069

Tritanomaly

29.4954, 16.2646, 2.3954

Monochromacy



Original Color

29.3741, 16.2693, 1.5921

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.9587, 9.9429, 4.9776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3741, 16.2693, 1.5921 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(217, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 40, 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(217, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.3741, 16.2693, 1.5921 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(217, 40, 0) }
```


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

```
.border{ border-color:rgb(217, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3741, 16.2693, 1.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 40, 0) }
```

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

```
.background{ background-color: rgb(217, 40,  
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](#).

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