

Converting Colors

XYZ(29.0113, 15.5070, 1.5847)

Have a look what the booklet for
XYZ(29.0113, 15.5070, 1.5847)
contains.

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Color

**XYZ(29.0066, 15.4993,
1.5777)**

Conversions

Conversions Part 1

Format	Color
Hex	D91A04
RGB	217, 26, 4
RGB Percent	85%, 10%, 2%
CMY	0.1490, 0.8979, 0.9843
CMYK	0.00, 0.88, 0.98, 0.15
HSL	6°, 96%, 43%
HSV	6°, 98%, 85%
XYZ	29.0066, 15.4993, 1.5777
YIQ	80.6010, 120.8980, 33.6500

Conversions

Conversions Part 2

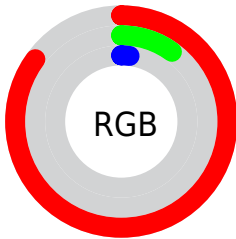
Format	Color
RYB	217, 29, 4
Decimal	14227972
CIELab	46.31, 68.05, 58.67
CIElCh	46, 89.854, 40.767
Yxy	15.4993, 0.6294, 0.3363
Android (android.graphics.Color)	4292418052 (0xFFD91A04)
YUV	80.6010, -37.7643, 119.6219
Hunter-Lab	39.3692, 62.6201, 25.1824

Details

The XYZ color **29.0066, 15.4993, 1.5777** 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 **32.0838, 44.0544, 72.4575**, and the grayscale version is **7.8002, 8.2065, 8.9368**.

A 20% lighter version of the original color is **46.1866, 29.9312, 7.3460**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.9104, 15.3423, 1.4376**, and if you desaturate by 10%, it is **29.7550, 16.7386, 2.6224**.

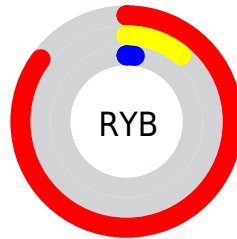
Distribution



Red (85%)

Green (10%)

Blue (2%)



Red (85%)

Yellow (11%)

Blue (2%)

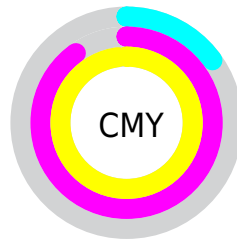


Cyan (0%)

Magenta (88%)

Yellow (98%)

Black (15%)



Cyan (15%)


Magenta (90%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0066, 15.4993, 1.5777 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 29.0066, 15.4993, 1.5777 by changing the saturation by 10% instead.


 29.0066, 15.4993,
1.5777


 29.0066, 15.4993,
1.5777


 289.2397,
226.3688, 115.4304


 19.2301, 9.1706,
0.2748


 57.4851, 35.7268,
7.8503


 11.9417, 4.8526,
0.0000


 76.9177, 50.3942,
13.8084

 6.7759, 2.1610,
0.0000


 100.2999, 68.6101,
22.2058

 3.3674, 0.6986,
0.0000

 127.9968, 90.7587,
33.4610

 1.3509, 0.0000,
0.0000

 160.3739,
117.2245, 47.9925

 0.2208, 0.0000,
0.0000


 197.7965,


 0.0000, 0.0000,


148.3919, 66.2188


0.0000


 240.6300,
184.6451, 88.5586


 29.0066, 15.4993,
1.5777


 29.0066, 15.4993,
1.5777

 28.9104, 15.3423,
1.4376

 29.7550, 16.7386,
2.6224

 31.0230, 18.7335,
4.7127

 32.8933, 21.5845,
8.0792

 35.4300, 25.3739,
12.8828

 38.6886, 30.1746,
19.2609

■ 42.7189, 36.0520,
27.3348

■ 47.5662, 43.0661,
37.2139

■ 53.2722, 51.2726,
48.9982

■ 59.8758, 60.7232,
62.7807

Harmonies

Analogous

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



34.5536, 15.4993, 10.1370



29.0066, 15.4993, 1.5777



20.1585, 15.4993, 0.0000

Triad

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



29.0066, 15.4993, 1.5777



4.7168, 15.4993, 6.4176



17.6701, 15.4993, 102.0160

Complementary

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



29.0066, 15.4993, 1.5777



32.0838, 44.0544, 72.4575

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.



10.3782, 15.4993, 96.7412



29.0066, 15.4993, 1.5777



4.4573, 15.4993, 26.0874

Square

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



29.0066, 15.4993, 1.5777



7.0325, 15.4993, 0.8245



6.1313, 15.4993, 62.3767



26.6491, 15.4993, 73.5506

Rectangle

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



29.0066, 15.4993, 1.5777



14.5345, 15.4993, 0.0000



6.1313, 15.4993, 62.3767



14.9305, 15.4993, 104.4972

Sweetspot

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



29.0069, 15.5003, 1.5779



67.7180, 60.8631, 51.9216



38.5881, 18.8103, 53.6423



13.8315, 12.0690, 9.7589



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.



29.0069, 15.5003, 1.5779



41.6176, 22.0152, 2.0559



36.8611, 31.2087, 4.1960



13.1638, 13.2671, 13.5926



17.5373, 9.3603, 0.8824



1.1737, 0.6816, 0.0697

Inverse Universe

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



32.0838, 44.0544, 72.4575



45.9677, 63.0553, 104.3559



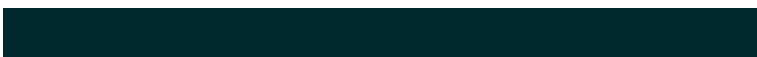
16.1634, 12.2137, 67.1507



13.3239, 14.5875, 16.7656



19.3813, 26.6321, 43.8574



1.2894, 1.7930, 2.8526

Previews

White Background



This preview shows how the XYZ color 29.0066, 15.4993, 1.5777 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



This preview shows how the XYZ color 29.0066, 15.4993, 1.5777 looks on a 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 29.0066, 15.4993, 1.5777

Background



This preview shows how black text looks on a background with the XYZ color 29.0066, 15.4993, 1.5777.



This preview shows how white text looks on a background with the XYZ color 29.0066, 15.4993,

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

29.0066, 15.4993, 1.5777

Protanopia

14.3515, 15.8127, 3.3944

Deuteranopia

15.8668, 15.6786, 2.1900



Tritanopia

29.0804, 15.4940, 2.0740

Trichromacy



Original Color

29.0066, 15.4993, 1.5777

Protanomaly

17.0868, 13.0534, 2.2351

Deuteranomaly

18.7384, 13.4959, 1.6461

Tritanomaly

29.0422, 15.4787, 1.8725

Monochromacy



Original Color

29.0066, 15.4993, 1.5777

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

11.5173, 8.3404, 4.3710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0066, 15.4993, 1.5777 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, 26, 4)` looks like.

```
.text, #text, p{  
    color:rgb(217, 26, 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(217, 26, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 26, 4) }
```

Border

The CSS property to change the border of an element to XYZ 29.0066, 15.4993, 1.5777 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, 26, 4) }
```


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

```
.border{ border-color:rgb(217, 26, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 26, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 26, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 26, 4);  
box-shadow:4px 4px 4px 4px rgb(217, 26, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0066, 15.4993, 1.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 26, 4) }
```

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

```
.background{ background-color: rgb(217, 26,  
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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