

Converting Colors

XYZ(29.6451, 15.6918, 2.2254)

Have a look what the booklet for
XYZ(29.6451, 15.6918, 2.2254)
contains.

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Color

**XYZ(29.6451, 15.6918,
2.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	DB1616
RGB	219, 22, 22
RGB Percent	86%, 9%, 9%
CMY	0.1412, 0.9136, 0.9137
CMYK	0.00, 0.90, 0.90, 0.14
HSL	0°, 82%, 47%
HSV	0°, 90%, 86%
XYZ	29.6451, 15.6918, 2.2254
YIQ	80.9030, 117.4120, 41.7640

Conversions

Conversions Part 2

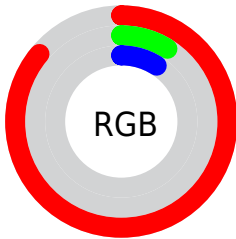
Format	Color
R_{YB}	219, 22, 22
Decimal	14358038
CIE _{Lab}	46.57, 69.40, 53.19
CIE _{LCh}	47, 87.438, 37.470
Yxy	15.6918, 0.6233, 0.3299
Android (android.graphics.Color)	4292548118 (0xFFDB1616)
YUV	80.9030, -29.0392, 121.1111
Hunter-Lab	39.6129, 64.2616, 24.3982

Details

The XYZ color **29.6451, 15.6918, 2.2254** 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 **38.4407, 55.9325, 75.7872**, and the grayscale version is **7.8441, 8.2526, 8.9871**.

A 20% lighter version of the original color is **46.4377, 29.8866, 9.1155**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.2151, 15.0630, 1.3705**, and if you desaturate by 10%, it is **30.5638, 17.0369, 4.0506**.

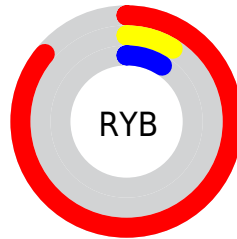
Distribution



Red (86%)

Green (9%)

Blue (9%)



Red (86%)

Yellow (9%)

Blue (9%)

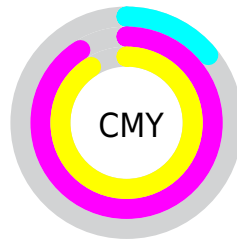


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6451, 15.6918, 2.2254 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 29.6451, 15.6918, 2.2254 by changing the saturation by 10% instead.

 29.6451, 15.6918,
2.2254


 29.6451, 15.6918,
2.2254


292.1863,
227.5162, 125.7841


 19.7161, 9.3063,
0.6890


 58.4910, 36.0623,
9.6483

 12.2959, 4.9415,
0.0000


 78.1385, 50.8162,
16.3973

 7.0192, 2.2130,
0.0000


 101.7563, 69.1282,
25.7293

 3.5205, 0.7271,
0.0000

 129.7097, 91.3830,
38.0629

 1.4346, 0.0000,
0.0000

 162.3641,
117.9647, 53.8167

 0.2807, 0.0000,
0.0000


 200.0847,


 0.0000, 0.0000,


149.2579, 73.4091


0.0000


 243.2370,
185.6469, 97.2587


 29.6451, 15.6918,
2.2254


 29.6451, 15.6918,
2.2254

 29.2151, 15.0630,
1.3705


 30.5638, 17.0369,
4.0506

 29.2135, 15.0606,
1.3673

 32.1285, 19.3267,
7.1605

 34.4289, 22.6930,
11.7332

 37.5405, 27.2463,
17.9184

 41.5292, 33.0830,
25.8477

■ 46.4544, 40.2899,
35.6388

■ 52.3702, 48.9462,
47.3994

■ 59.3265, 59.1251,
61.2289

■ 67.3700, 70.8948,
77.2200

Harmonies

Analogous

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



34.4177, 15.6918, 12.2335



29.6451, 15.6918, 2.2254



21.1922, 15.6918, 0.0000

Triad

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



29.6451, 15.6918, 2.2254



5.1272, 15.6918, 5.5988



16.8812, 15.6918, 100.2548

Complementary

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



29.6451, 15.6918, 2.2254



38.4407, 55.9325, 75.7872

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.



10.0180, 15.6918, 91.3631



29.6451, 15.6918, 2.2254



4.6593, 15.6918, 23.0763

Square

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



29.6451, 15.6918, 2.2254



7.7156, 15.6918, 0.7615



6.1095, 15.6918, 56.8718



25.5949, 15.6918, 75.8214

Rectangle

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



29.6451, 15.6918, 2.2254



15.5641, 15.6918, 0.0000



6.1095, 15.6918, 56.8718



14.2834, 15.6918, 101.2736

Sweetspot

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



29.6454, 15.6928, 2.2256



67.7115, 59.9969, 54.5498



42.2861, 20.7482, 68.7933



13.9196, 12.0026, 10.5358



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.



29.6454, 15.6928, 2.2256



41.2404, 21.2608, 1.9301



36.1347, 28.6713, 4.3887



13.0562, 13.0518, 13.5567



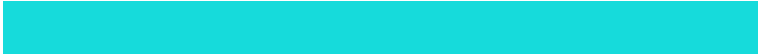
17.3224, 8.9305, 0.8108



1.1223, 0.5787, 0.0525

Inverse Universe

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



38.4407, 55.9325, 75.7872



53.7981, 78.7162, 106.9660



19.8937, 18.8385, 69.6049



13.4448, 14.8293, 16.8059



22.5971, 33.0637, 44.9293



1.4640, 2.1421, 2.9108

Previews

White Background



This preview shows how the XYZ color 29.6451, 15.6918, 2.2254 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 29.6451, 15.6918, 2.2254 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 29.6451, 15.6918, 2.2254

Background



This preview shows how black text looks on a background with the XYZ color 29.6451, 15.6918, 2.2254.



This preview shows how white text looks on a background with the XYZ color 29.6451, 15.6918,

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

29.6451, 15.6918, 2.2254

Protanopia

14.6519, 16.1084, 4.4348

Tritanopia

29.6060, 15.7074, 1.9233

Trichromacy



Original Color

29.6451, 15.6918, 2.2254

Protanomaly

17.3828, 13.0784, 3.1216

Tritanomaly

29.6290, 15.7165, 2.0442

Monochromacy



Original Color

29.6451, 15.6918, 2.2254

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

11.7915, 8.3833, 5.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6451, 15.6918, 2.2254 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(219, 22, 22)` looks like.

```
.text, #text, p{  
    color:rgb(219, 22, 22)  
}
```

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(219, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 22, 22) }
```

Border

The CSS property to change the border of an element to XYZ 29.6451, 15.6918, 2.2254 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(219, 22, 22) }
```

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

```
.border{ border-color:rgb(219, 22, 22) }
```

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

Here you see how a box with a 4 pixel rgb(219, 22, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(219, 22,  
22) }
```


Background

The CSS property to change the background color of an element to XYZ 29.6451, 15.6918, 2.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 22, 22) }
```

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

```
.background{ background-color: rgb(219, 22,  
22) }
```

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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