

Converting Colors

XYZ(28.2690, 13.1578, 1.8105)

Have a look what the booklet for
XYZ(28.2690, 13.1578, 1.8105)
contains.

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Color

**XYZ(29.3582, 15.1180,
2.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0016
RGB	219, 0, 22
RGB Percent	86%, 0%, 9%
CMY	0.1412, 0.9998, 0.9137
CMYK	0.00, 1.00, 0.90, 0.14
HSL	354°, 100%, 43%
HSV	354°, 100%, 86%
XYZ	29.3582, 15.1180, 2.1298
YIQ	67.9890, 123.4620, 53.2700

Conversions

Conversions Part 2

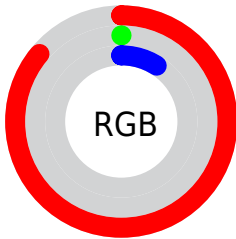
Format	Color
RYB	219, 0, 22
Decimal	14352406
CIELab	45.80, 71.63, 52.66
CIElCh	46, 88.900, 36.321
Yxy	15.1180, 0.6299, 0.3244
Android (android.graphics.Color)	4292542486 (0xFFDB0016)
YUV	67.9890, -22.6726, 132.4366
Hunter-Lab	38.8819, 66.7352, 23.9696

Details

The XYZ color **29.3582, 15.1180, 2.1298** 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 **35.4157, 54.6964, 61.5440**, and the grayscale version is **5.5186, 5.8060, 6.3227**.

A 20% lighter version of the original color is **45.8866, 28.8344, 8.7773**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.3575, 15.1177, 2.1274**, and if you desaturate by 10%, it is **29.9118, 15.7970, 3.6356**.

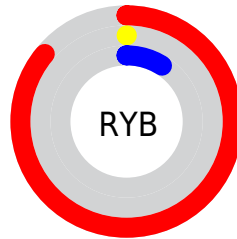
Distribution



Red (86%)

Green (0%)

Blue (9%)



Red (86%)

Yellow (0%)

Blue (9%)

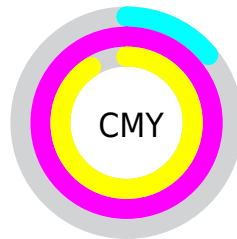


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3582, 15.1180, 2.1298 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 29.3582, 15.1180, 2.1298 by changing the saturation by 10% instead.


 29.3582, 15.1180,
2.1298


 29.3582, 15.1180,
2.1298


290.8651,
224.0793, 124.3608


 19.4976, 8.9022,
0.6334


 58.0393, 35.0601,
9.3927


 12.1365, 4.6775,
0.0000


 77.5906, 49.5551,
16.0327

 6.9096, 2.0593,
0.0000


 101.1028, 67.5788,
25.2365

 3.4514, 0.6416,
0.0000

 128.9413, 89.5154,
37.4226

 1.3967, 0.0000,
0.0000

 161.4714,
115.7494, 53.0096

 0.2539, 0.0000,
0.0000


 199.0585,


 0.0000, 0.0000,


146.6651, 72.4159


0.0000


 242.0679,
182.6469, 96.0601


 29.3582, 15.1180,
2.1298


 29.3582, 15.1180,
2.1298


 29.3575, 15.1177,
2.1274

 29.9118, 15.7970,
3.6356

 30.9617, 17.1916,
6.1595

 32.6364, 19.5232,
9.8553

 35.0144, 22.9183,
14.8437

 38.1628, 27.4840,
21.2298

■ 42.1406, 33.3142,
29.1083

■ 47.0011, 40.4932,
38.5654

■ 52.7932, 49.0982,
49.6806

■ 59.5621, 59.2004,
62.5283

Harmonies

Analogous

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



33.9377, 15.1180, 12.3284



29.3582, 15.1180, 2.1298



20.9566, 15.1180, 0.0000

Triad

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



29.3582, 15.1180, 2.1298



4.8100, 15.1180, 4.8385



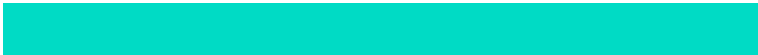
16.0122, 15.1180, 100.7692

Complementary

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



29.3582, 15.1180, 2.1298



35.4157, 54.6964, 61.5440

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.



9.3309, 15.1180, 90.3776



29.3582, 15.1180, 2.1298



4.2883, 15.1180, 21.4270

Square

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



29.3582, 15.1180, 2.1298



7.4210, 15.1180, 0.5124



5.6148, 15.1180, 54.9159



24.6868, 15.1180, 76.9813

Rectangle

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



29.3582, 15.1180, 2.1298



15.3123, 15.1180, 0.0000



5.6148, 15.1180, 54.9159



13.4656, 15.1180, 101.3243

Sweetspot

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



29.3585, 15.1190, 2.1300



66.1410, 56.8525, 54.0363



34.8952, 16.5129, 68.3653



13.5021, 11.2001, 10.2969



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.



29.3585, 15.1190, 2.1300



41.4216, 21.3326, 2.8864



32.3823, 21.3978, 2.4249



13.1088, 13.0726, 13.8343



17.4264, 8.9716, 1.3594



1.1474, 0.5886, 0.1853

Inverse Universe

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



29.3585, 15.1190, 2.1300



41.4216, 21.3326, 2.8864



21.4603, 22.4620, 70.2217



13.1088, 13.0726, 13.8343



17.4264, 8.9716, 1.3594



1.1474, 0.5886, 0.1853

Previews

White Background



This preview shows how the XYZ color 29.3582, 15.1180, 2.1298 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 29.3582, 15.1180, 2.1298

Background



This preview shows how black text looks on a background with the XYZ color 29.3582, 15.1180, 2.1298.



This preview shows how white text looks on a background with the XYZ color 29.3582, 15.1180,

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

29.3582, 15.1180, 2.1298

Protanopia

14.2531, 15.7399, 4.3847

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

29.1636, 15.4057, 1.4365

Trichromacy



Original Color

29.3582, 15.1180, 2.1298

Protanomaly

16.6425, 11.8911, 2.9314

Deuteranomaly

18.1994, 12.3567, 1.6556

Tritanomaly

29.1012, 15.2108, 1.6319

Monochromacy



Original Color

29.3582, 15.1180, 2.1298

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.6298, 6.1777, 3.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3582, 15.1180, 2.1298 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, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 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, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 29.3582, 15.1180, 2.1298 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, 0, 22) }
```


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

```
.border{ border-color:rgb(219, 0, 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, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3582, 15.1180, 2.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 22) }
```

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

```
.background{ background-color: rgb(219, 0,  
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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