

Converting Colors

XYZ(29.3280, 15.1163, 1.4991)

Have a look what the booklet for
XYZ(29.3280, 15.1163, 1.4991)
contains.

XYZ(29.2353, 15.0688, 1.4826)	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>	30

Color

**XYZ(29.2353, 15.0688,
1.4826)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0004
RGB	219, 0, 4
RGB Percent	86%, 0%, 2%
CMY	0.1412, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.14
HSL	359°, 100%, 43%
HSV	359°, 100%, 86%
XYZ	29.2353, 15.0688, 1.4826
YIQ	65.9370, 129.2400, 47.6720

Conversions

Conversions Part 2

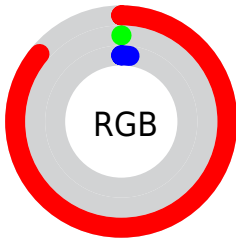
Format	Color
RYB	219, 0, 4
Decimal	14352388
CIELab	45.73, 71.44, 58.67
CIElCh	46, 92.447, 39.392
Yxy	15.0688, 0.6385, 0.3291
Android (android.graphics.Color)	4292542468 (0xFFDB0004)
YUV	65.9370, -30.5349, 134.2363
Hunter-Lab	38.8186, 66.5007, 24.9085

Details

The XYZ color **29.2353, 15.0688, 1.4826** 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 **37.6036, 55.5716, 73.0656**, and the grayscale version is **5.2047, 5.4757, 5.9630**.

A 20% lighter version of the original color is **45.4682, 28.5349, 6.9822**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2348, 15.0686, 1.4812**, and if you desaturate by 10%, it is **29.6801, 15.7042, 2.4155**.

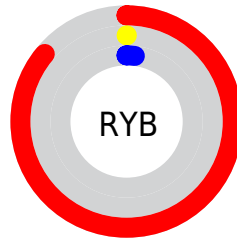
Distribution



Red (86%)

Green (0%)

Blue (2%)



Red (86%)

Yellow (0%)

Blue (2%)

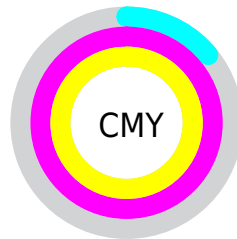


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2353, 15.0688, 1.4826 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 29.2353, 15.0688, 1.4826 by changing the saturation by 10% instead.


 29.2353, 15.0688,
1.4826


 29.2353, 15.0688,
1.4826


 290.2978,
223.7823, 113.7405

 19.4041, 8.8677,
0.2049


 57.8457, 34.9738,
7.5708


 12.0683, 4.6550,
0.0000


 77.3556, 49.4465,
13.4002


 6.8628, 2.0463,
0.0000


 100.8224, 67.4452,
21.6447

 3.4220, 0.6342,
0.0000

 128.6115, 89.3543,
32.7227

 1.3807, 0.0000,
0.0000

 161.0882,
115.5581, 47.0527


 0.2424, 0.0000,
0.0000


 198.6179,


 0.0000, 0.0000,


146.4412, 65.0533


0.0000


 241.5660,
182.3877, 87.1431


 29.2353, 15.0688,
1.4826

 29.2353, 15.0688,
1.4826

 29.2348, 15.0686,
1.4812

 29.6801, 15.7042,
2.4155

 30.6215, 17.0554,
4.3686

 32.2059, 19.3508,
7.5894

 34.5205, 22.7204,
12.2435

 37.6388, 27.2740,
18.4716

■ 41.6256, 33.1077,
26.3975

■ 46.5389, 40.3077,
36.1329

■ 52.4319, 48.9529,
47.7797

■ 59.3536, 59.1161,
61.4325

Harmonies

Analogous

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



34.6774, 15.0688, 10.3722



29.2353, 15.0688, 1.4826



20.2458, 15.0688, 0.0000

Triad

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



29.2353, 15.0688, 1.4826



4.4005, 15.0688, 5.4907



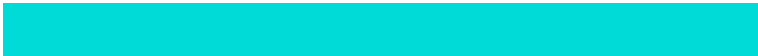
16.8996, 15.0688, 105.0672

Complementary

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



29.2353, 15.0688, 1.4826



37.6036, 55.5716, 73.0656

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.



9.6843, 15.0688, 97.7846



29.2353, 15.0688, 1.4826



4.0655, 15.0688, 24.4208

Square

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



29.2353, 15.0688, 1.4826



6.7836, 15.0688, 0.5172



5.6057, 15.0688, 61.2481



26.0396, 15.0688, 76.5948

Rectangle

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



29.2353, 15.0688, 1.4826



14.4813, 15.0688, 0.0000



5.6057, 15.0688, 61.2481



14.1647, 15.0688, 107.0478

Sweetspot

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



29.2356, 15.0698, 1.4828



65.4862, 56.5906, 50.5881



39.8518, 19.0681, 68.5973



13.3536, 11.1407, 9.5150



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.



29.2356, 15.0698, 1.4828



41.2652, 21.2701, 2.0628



33.9870, 24.6073, 2.9598



13.0655, 13.0553, 13.6064



17.3393, 8.9368, 0.9010



1.1268, 0.5803, 0.0764

Inverse Universe

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



29.2356, 15.0698, 1.4828



41.2652, 21.2701, 2.0628



19.1273, 17.7960, 69.4441



13.0655, 13.0553, 13.6064



17.3393, 8.9368, 0.9010



1.1268, 0.5803, 0.0764

Previews

White Background



This preview shows how the XYZ color 29.2353, 15.0688, 1.4826 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 29.2353, 15.0688, 1.4826

Background



This preview shows how black text looks on a background with the XYZ color 29.2353, 15.0688, 1.4826.



This preview shows how white text looks on a background with the XYZ color 29.2353, 15.0688,

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

29.2353, 15.0688, 1.4826

Protanopia

14.2184, 15.7427, 3.4516

Tritanopia

28.8654, 15.2520, 1.4226

Trichromacy



Original Color

29.2353, 15.0688, 1.4826

Protanomaly

16.6776, 11.9279, 2.0851

Tritanomaly

29.0628, 15.1955, 1.4300

Monochromacy



Original Color

29.2353, 15.0688, 1.4826

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

9.2900, 5.9679, 2.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2353, 15.0688, 1.4826 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 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(219, 0, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 29.2353, 15.0688, 1.4826 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, 4) }
```

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

```
.border{ border-color:rgb(219, 0, 4) }
```

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, 4)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 29.2353, 15.0688, 1.4826 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, 4) }
```

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

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