

Converting Colors

XYZ(29.4336, 15.9492, 2.9660)

Have a look what the booklet for
XYZ(29.4336, 15.9492, 2.9660)
contains.

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Color

**XYZ(29.4336, 15.9492,
2.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	D92121
RGB	217, 33, 33
RGB Percent	85%, 13%, 13%
CMY	0.1490, 0.8705, 0.8706
CMYK	0.00, 0.85, 0.85, 0.15
HSL	0°, 74%, 49%
HSV	0°, 85%, 85%
XYZ	29.4336, 15.9492, 2.9660
YIQ	88.0160, 109.6640, 39.0080

Conversions

Conversions Part 2

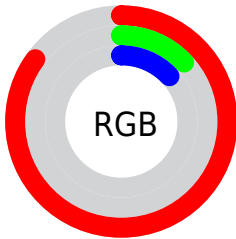
Format	Color
R_{YB}	217, 33, 33
Decimal	14229793
CIE Lab	46.91, 67.12, 48.28
CIE LCh	47, 82.685, 35.729
Yxy	15.9492, 0.6088, 0.3299
Android (android.graphics.Color)	4292419873 (0xFFD92121)
YUV	88.0160, -27.1229, 113.1190
Hunter-Lab	39.9364, 61.6677, 23.5522

Details

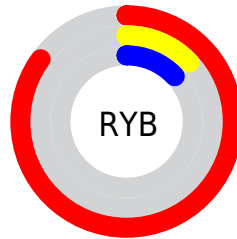
The XYZ color **29.4336, 15.9492, 2.9660** is a dark color, and the websafe version is hex **CC0000**, and the color name is **maximum red**. The color can be described as dark washed red. A complement of this color would be **37.9591, 54.9483, 74.2505**, and the grayscale version is **9.3219, 9.8073, 10.6802**.

A 20% lighter version of the original color is **47.2451, 30.9535, 11.0740**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **28.8006, 15.0233, 1.7076**, and if you desaturate by 10%, it is **30.6502, 17.7302, 5.3837**.

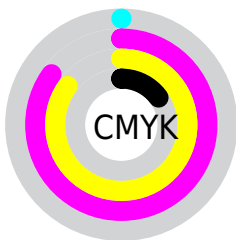
Distribution



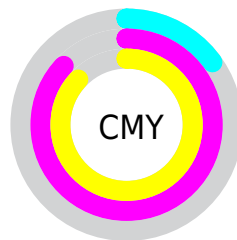
- Red (85%)
- Green (13%)
- Blue (13%)



- Red (85%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (85%)
- Black (15%)





- Cyan (15%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4336, 15.9492, 2.9660 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 29.4336, 15.9492, 2.9660 by changing the saturation by 10% instead.


 29.4336, 15.9492,
2.9660


 29.4336, 15.9492,
2.9660


291.2128,
229.0418, 135.9264


 19.5550, 9.4882,
1.0773


 58.1581, 36.5100,
11.5444


 12.1784, 5.0610,
0.0000

 77.7347, 51.3786,
19.0712


 6.9383, 2.2831,
0.0000


 101.2747, 69.8185,
29.3145

 3.4696, 0.7647,
0.0000

 129.1434, 92.2141,
42.6927

 1.4067, 0.0000,
0.0000

 161.7062,
118.9499, 59.6245


 0.2610, 0.0000,
0.0000


 199.3285,


 0.0000, 0.0000,


150.4102, 80.5283


0.0000


 242.3755,
186.9793, 105.8228


 29.4336, 15.9492,
2.9660


 29.4336, 15.9492,
2.9660


 28.8006, 15.0233,
1.7076


 30.6502, 17.7302,
5.3837

 28.6153, 14.7521,
1.3392

 32.5466, 20.5052,
9.1532

 35.2026, 24.3918,
14.4328

 38.6867, 29.4901,
21.3589

 43.0600, 35.8895,
30.0526

■ 48.3775, 43.6705,
40.6238

■ 54.6901, 52.9075,
53.1732

■ 62.0448, 63.6694,
67.7945

■ 70.4858, 76.0208,
84.5755

Harmonies

Analogous

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



33.5678, 15.9492, 13.6952



29.4336, 15.9492, 2.9660



21.6039, 15.9492, 0.3845

Triad

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



29.4336, 15.9492, 2.9660



5.7058, 15.9492, 5.6220



16.5862, 15.9492, 94.4386

Complementary

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



29.4336, 15.9492, 2.9660



37.9591, 54.9483, 74.2505

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.



10.1435, 15.9492, 84.5623



29.4336, 15.9492, 2.9660



5.1239, 15.9492, 21.6402

Square

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



29.4336, 15.9492, 2.9660



8.4175, 15.9492, 0.9615



6.4584, 15.9492, 52.4154



24.7851, 15.9492, 73.6756

Rectangle

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



29.4336, 15.9492, 2.9660



16.2156, 15.9492, 0.0000



6.4584, 15.9492, 52.4154



14.1498, 15.9492, 94.7114

Sweetspot

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



29.4339, 15.9502, 2.9662



69.3584, 62.4063, 57.8246



41.6832, 20.8490, 67.4724



14.2343, 12.4631, 11.1617



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.



29.4339, 15.9502, 2.9662



41.2403, 21.2606, 1.9301



36.2231, 29.5286, 5.2293



13.0562, 13.0518, 13.5567



17.3224, 8.9303, 0.8107



1.1223, 0.5786, 0.0525

Inverse Universe

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



37.9591, 54.9483, 74.2505



53.8014, 78.7228, 106.9671



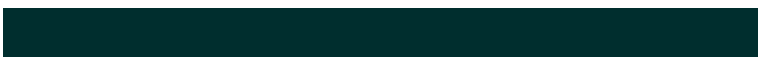
20.4851, 20.0002, 68.4258



13.4448, 14.8294, 16.8059



22.5985, 33.0664, 44.9298



1.4641, 2.1423, 2.9108

Previews

White Background



This preview shows how the XYZ color 29.4336, 15.9492, 2.9660 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 29.4336, 15.9492, 2.9660 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 29.4336, 15.9492, 2.9660

Background



This preview shows how black text looks on a background with the XYZ color 29.4336, 15.9492, 2.9660.



This preview shows how white text looks on a background with the XYZ color 29.4336, 15.9492,

2.9660.

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

29.4336, 15.9492, 2.9660

Protanopia

14.7262, 16.1214, 5.5844

Deuteranopia

16.3094, 16.0589, 2.2401



Tritanopia

29.4065, 15.9384, 2.8228

Trichromacy



Original Color

29.4336, 15.9492, 2.9660

Protanomaly

17.6675, 13.6451, 4.1852

Deuteranomaly

19.2245, 14.0535, 2.0472

Tritanomaly

29.4198, 15.9437, 2.8933

Monochromacy



Original Color

29.4336, 15.9492, 2.9660

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.1022, 9.7025, 6.6510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4336, 15.9492, 2.9660 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, 33, 33)` looks like.

```
.text, #text, p{  
  color:rgb(217, 33, 33)  
}
```

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, 33, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 33, 33) }
```

Border

The CSS property to change the border of an element to XYZ 29.4336, 15.9492, 2.9660 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, 33, 33) }
```


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

```
.border{ border-color:rgb(217, 33, 33) }
```

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

Here you see how a box with a 4 pixel rgb(217, 33, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 33, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 33, 33);  
box-shadow:4px 4px 4px 4px rgb(217, 33,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4336, 15.9492, 2.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 33, 33) }
```

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

```
.background{ background-color: rgb(217, 33,  
33) }
```

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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