

Converting Colors

XYZ(29.3566, 15.4262, 4.4391)

Have a look what the booklet for
XYZ(29.3566, 15.4262, 4.4391)
contains.

XYZ(29.4412, 15.4823, 4.4543)	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>	31

Color

**XYZ(29.4412, 15.4823,
4.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	D91432
RGB	217, 20, 50
RGB Percent	85%, 8%, 20%
CMY	0.1490, 0.9215, 0.8039
CMYK	0.00, 0.91, 0.77, 0.15
HSL	351°, 83%, 46%
HSV	351°, 91%, 85%
XYZ	29.4412, 15.4823, 4.4543
YIQ	82.3230, 107.7820, 51.0940

Conversions

Conversions Part 2

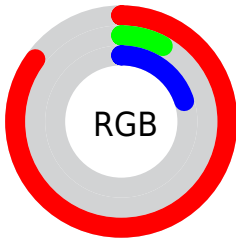
Format	Color
RYB	217, 20, 50
Decimal	14226482
CIELab	46.29, 69.82, 38.48
CIElCh	46, 79.724, 28.859
Yxy	15.4823, 0.5962, 0.3135
Android (android.graphics.Color)	4292416562 (0xFFD91432)
YUV	82.3230, -15.9352, 118.1117
Hunter-Lab	39.3476, 64.7017, 20.8314

Details

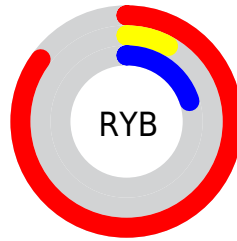
The XYZ color **29.4412, 15.4823, 4.4543** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.0744, 53.3636, 55.5337**, and the grayscale version is **8.1038, 8.5258, 9.2846**.

A 20% lighter version of the original color is **47.4004, 30.1285, 14.6264**, and **13.1697, 6.7855, 0.7879** is the 20% darker color. If you saturate the color by 10%, you get **28.8899, 14.8616, 2.7862**, and if you desaturate by 10%, it is **30.4891, 16.8107, 7.1707**.

Distribution



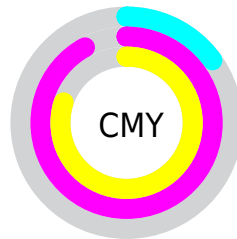
- Red (85%)
- Green (8%)
- Blue (20%)



- Red (85%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (91%)
- Yellow (77%)
- Black (15%)




- Cyan (15%)
- Magenta (92%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4412, 15.4823, 4.4543 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 29.4412, 15.4823, 4.4543 by changing the saturation by 10% instead.


 29.4412, 15.4823,
4.4543


 29.4412, 15.4823,
4.4543


291.2478,
226.2672, 153.1485


 19.5608, 9.1586,
1.8777


 58.1701, 35.6971,
15.0447


 12.1826, 4.8448,
0.4785

 77.7492, 50.3569,
23.8955


 6.9412, 2.1565,
0.0000


 101.2920, 68.5643,
35.6749

 3.4714, 0.6961,
0.0000

 129.1638, 90.7035,
50.8013

 1.4077, 0.0000,
0.0000

 161.7299,
117.1590, 69.6934

 0.2617, 0.0000,
0.0000

 199.3557,

 0.0000, 0.0000,

148.3152, 92.7696

0.0000

242.4065,
184.5565, 120.4484

■ 29.4412, 15.4823,
4.4543

■ 29.4412, 15.4823,
4.4543

■ 28.8899, 14.8616,
2.7862

■ 30.4891, 16.8107,
7.1707

■ 32.1285, 19.0392,
10.9549

■ 34.4336, 22.2929,
15.9052

■ 37.4674, 26.6763,
22.1083

■ 41.2853, 32.2810,
29.6424

■ 45.9373, 39.1891,
38.5794

■ 51.4692, 47.4756,
48.9858

■ 57.9236, 57.2098,
60.9241

■ 65.3401, 68.4564,
74.4530

Harmonies

Analogous

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



32.0981, 15.4823, 17.6163



29.4412, 15.4823, 4.4543



22.5891, 15.4823, 0.8089

Triad

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



29.4412, 15.4823, 4.4543



6.1055, 15.4823, 3.9421



14.4560, 15.4823, 89.1459

Complementary

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



29.4412, 15.4823, 4.4543



34.0744, 53.3636, 55.5337

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.



8.9239, 15.4823, 73.7322



29.4412, 15.4823, 4.4543



5.1151, 15.4823, 16.1210

Square

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



29.4412, 15.4823, 4.4543



9.2518, 15.4823, 0.6980



5.9614, 15.4823, 42.2463



21.9928, 15.4823, 75.7497

Rectangle

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



29.4412, 15.4823, 4.4543



17.3966, 15.4823, 0.1108



5.9614, 15.4823, 42.2463



12.3250, 15.4823, 87.0378

Sweetspot

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



29.4415, 15.4833, 4.4545



68.8658, 60.4552, 60.6386



32.5832, 15.7226, 66.9628



14.1827, 12.1071, 11.9240



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.



29.4415, 15.4833, 4.4545



41.6029, 21.4052, 3.8412



32.0444, 21.4078, 3.1064



13.1364, 13.0837, 13.9795



17.5130, 9.0062, 1.8153



1.1605, 0.5938, 0.2540

Inverse Universe

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



29.4415, 15.4833, 4.4545



41.6029, 21.4052, 3.8412



23.9353, 27.4024, 69.6730



13.1364, 13.0837, 13.9795



17.5130, 9.0062, 1.8153



1.1605, 0.5938, 0.2540

Previews

White Background



This preview shows how the XYZ color 29.4412, 15.4823, 4.4543 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 29.4412, 15.4823, 4.4543 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 29.4412, 15.4823, 4.4543

Background



This preview shows how black text looks on a background with the XYZ color 29.4412, 15.4823, 4.4543.



This preview shows how white text looks on a background with the XYZ color 29.4412, 15.4823,

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

29.4412, 15.4823, 4.4543

Protanopia

14.7002, 15.8699, 8.9450

Deuteranopia

16.0330, 15.7257, 3.9406



Tritanopia

28.8557, 15.4407, 2.2186

Trichromacy



Original Color

29.4412, 15.4823, 4.4543

Protanomaly

17.2253, 12.8107, 6.7191

Deuteranomaly

18.8030, 13.2802, 3.7628

Tritanomaly

28.9062, 15.3565, 2.8071

Monochromacy



Original Color

29.4412, 15.4823, 4.4543

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.0295, 8.3954, 6.7808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4412, 15.4823, 4.4543 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, 20, 50)` looks like.

```
.text, #text, p{  
    color:rgb(217, 20, 50)  
}
```

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, 20, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 20, 50) }
```

Border

The CSS property to change the border of an element to XYZ 29.4412, 15.4823, 4.4543 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, 20, 50) }
```


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

```
.border{ border-color:rgb(217, 20, 50) }
```

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

Here you see how a box with a 4 pixel rgb(217, 20, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 20, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 20, 50);  
box-shadow:4px 4px 4px 4px rgb(217, 20,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4412, 15.4823, 4.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 20, 50) }
```

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

```
.background{ background-color: rgb(217, 20,  
50) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor