

Converting Colors

XYZ(29.9494, 16.1418, 4.2563)

Have a look what the booklet for
XYZ(29.9494, 16.1418, 4.2563)
contains.

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Color

**XYZ(29.9430, 16.1437,
4.2272)**

Conversions

Conversions Part 1

Format	Color
Hex	DA202F
RGB	218, 32, 47
RGB Percent	85%, 13%, 18%
CMY	0.1451, 0.8744, 0.8157
CMYK	0.00, 0.85, 0.78, 0.15
HSL	355°, 74%, 49%
HSV	355°, 85%, 85%
XYZ	29.9430, 16.1437, 4.2272
YIQ	89.3240, 106.0410, 44.0970

Conversions

Conversions Part 2

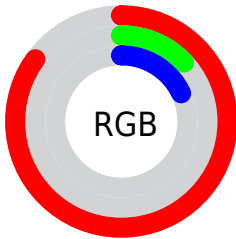
Format	Color
RYB	218, 32, 47
Decimal	14295087
CIELab	47.16, 67.96, 41.18
CIElCh	47, 79.467, 31.211
Yxy	16.1437, 0.5951, 0.3209
Android (android.graphics.Color)	4292485167 (0xFFDA202F)
YUV	89.3240, -20.8657, 112.8489
Hunter-Lab	40.1792, 62.7110, 21.8876

Details

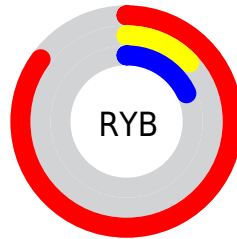
The XYZ color **29.9430, 16.1437, 4.2272** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.4494, 54.7625, 65.1616**, and the grayscale version is **9.5980, 10.0978, 10.9965**.

A 20% lighter version of the original color is **47.7222, 30.9918, 14.0565**, and **13.3374, 6.8744, 0.6814** is the 20% darker color. If you saturate the color by 10%, you get **29.2214, 15.2061, 2.4292**, and if you desaturate by 10%, it is **31.2385, 17.9328, 7.1321**.

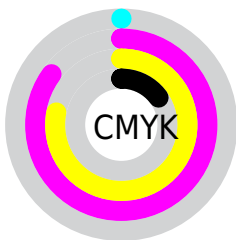
Distribution



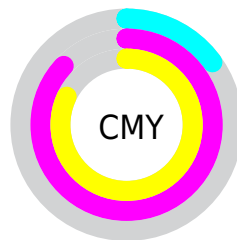
- Red (85%)
- Green (13%)
- Blue (18%)



- Red (85%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (85%)
- Yellow (78%)
- Black (15%)





- Cyan (15%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9430, 16.1437, 4.2272 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 29.9430, 16.1437, 4.2272 by changing the saturation by 10% instead.

 29.9430, 16.1437,
4.2272


 29.9430, 16.1437,
4.2272


293.5533,
230.1882, 150.7182


 19.9432, 9.6259,
1.7508


 58.9593, 36.8475,
14.5304


 12.4618, 5.1516,
0.3952


 78.7064, 51.8023,
23.1944

 7.1334, 2.3365,
0.0000


 102.4334, 70.3382,
34.7579

 3.5927, 0.7929,
0.0000

 130.5056, 92.8396,
49.6395

 1.4744, 0.0000,
0.0000

 163.2883,
119.6909, 68.2578

 0.3083, 0.0000,
0.0000

 201.1469,

 0.0000, 0.0000,

151.2765, 91.0314

0.0000

244.4468,
187.9808, 118.3786

■ 29.9430, 16.1437,
4.2272

■ 29.9430, 16.1437,
4.2272

■ 29.2214, 15.2061,
2.4292

■ 31.2385, 17.9328,
7.1321

■ 29.0188, 14.9475,
1.9092

■ 33.1955, 20.7117,
11.2840

■ 35.8877, 24.5971,
16.8028

■ 39.3787, 29.6886,
23.7942

■ 43.7250, 36.0748,
32.3534

■ 48.9782, 43.8360,
42.5676

■ 55.1857, 53.0459,
54.5177

■ 62.3917, 63.7731,
68.2793

■ 70.6374, 76.0816,
83.9232

Harmonies

Analogous

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



33.0787, 16.1437, 16.7768



29.9430, 16.1437, 4.2272



22.7669, 16.1437, 0.8159

Triad

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



29.9430, 16.1437, 4.2272



6.3240, 16.1437, 4.7958



15.6299, 16.1437, 90.9419

Complementary

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



29.9430, 16.1437, 4.2272



36.4494, 54.7625, 65.1616

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.



9.7404, 16.1437, 77.4668



29.9430, 16.1437, 4.2272



5.4497, 16.1437, 18.4038

Square

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



29.9430, 16.1437, 4.2272



9.3816, 16.1437, 0.9333



6.4826, 16.1437, 46.0085



23.4129, 16.1437, 75.3008

Rectangle

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



29.9430, 16.1437, 4.2272



17.4900, 16.1437, 0.1944



6.4826, 16.1437, 46.0085



13.3814, 16.1437, 89.6225

Sweetspot

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



29.9434, 16.1447, 4.2274



69.1152, 61.4231, 59.2755



37.6648, 18.7226, 67.9577



14.2099, 12.2839, 11.5555



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.



29.9434, 16.1447, 4.2274



41.3711, 21.3124, 2.6204



34.6976, 26.0566, 4.5687



13.0984, 13.0685, 13.7794



17.4012, 8.9615, 1.2269



1.1425, 0.5866, 0.1592

Inverse Universe

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



29.9434, 16.1447, 4.2274



41.3711, 21.3124, 2.6204



22.7037, 24.2744, 69.8178



13.0984, 13.0685, 13.7794



17.4012, 8.9615, 1.2269



1.1425, 0.5866, 0.1592

Previews

White Background



This preview shows how the XYZ color 29.9430, 16.1437, 4.2272 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 29.9430, 16.1437, 4.2272 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 29.9430, 16.1437, 4.2272

Background



This preview shows how black text looks on a background with the XYZ color 29.9430, 16.1437, 4.2272.



This preview shows how white text looks on a background with the XYZ color 29.9430, 16.1437,

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

29.9430, 16.1437, 4.2272

Protanopia

15.1790, 16.4634, 8.1721

Deuteranopia

16.6875, 16.3760, 3.7202



Tritanopia

29.7890, 16.2173, 2.9990

Trichromacy



Original Color

29.9430, 16.1437, 4.2272

Protanomaly

18.1404, 13.9575, 6.2954

Deuteranomaly

19.7961, 14.4233, 3.5743

Tritanomaly

29.8353, 16.1894, 3.3861

Monochromacy



Original Color

29.9430, 16.1437, 4.2272

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

13.4565, 9.8629, 7.6731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9430, 16.1437, 4.2272 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(218, 32, 47)` looks like.

```
.text, #text, p{  
    color:rgb(218, 32, 47)  
}
```

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(218, 32, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 32, 47) }
```

Border

The CSS property to change the border of an element to XYZ 29.9430, 16.1437, 4.2272 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(218, 32, 47) }
```


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

```
.border{ border-color:rgb(218, 32, 47) }
```

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

Here you see how a box with a 4 pixel rgb(218, 32, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 32, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 32, 47);  
box-shadow:4px 4px 4px 4px rgb(218, 32,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9430, 16.1437, 4.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 32, 47) }
```

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

```
.background{ background-color: rgb(218, 32,  
47) }
```

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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