

Converting Colors

XYZ(29.8331, 16.2827, 3.0839)

Have a look what the booklet for
XYZ(29.8331, 16.2827, 3.0839)
contains.

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Color

**XYZ(29.8331, 16.2827,
3.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	DA2422
RGB	218, 36, 34
RGB Percent	85%, 14%, 13%
CMY	0.1451, 0.8588, 0.8667
CMYK	0.00, 0.83, 0.84, 0.15
HSL	1°, 73%, 49%
HSV	1°, 84%, 85%
XYZ	29.8331, 16.2827, 3.0839
YIQ	90.1900, 109.1140, 37.9620

Conversions

Conversions Part 2

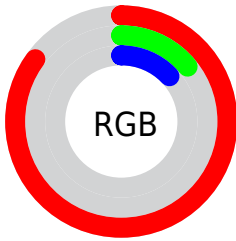
Format	Color
RYB	218, 36, 34
Decimal	14296098
CIELab	47.34, 66.77, 48.25
CIELCh	47, 82.377, 35.852
Yxy	16.2827, 0.6064, 0.3310
Android (android.graphics.Color)	4292486178 (0xFFDA2422)
YUV	90.1900, -27.7017, 112.0894
Hunter-Lab	40.3518, 61.3537, 23.7150

Details

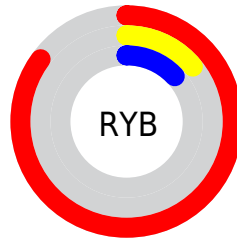
The XYZ color **29.8331, 16.2827, 3.0839** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **37.8657, 54.5044, 74.8539**, and the grayscale version is **9.8060, 10.3166, 11.2348**.

A 20% lighter version of the original color is **47.3789, 31.1614, 11.3022**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.1441, 15.2589, 1.7635**, and if you desaturate by 10%, it is **31.1142, 18.1728, 5.5837**.

Distribution



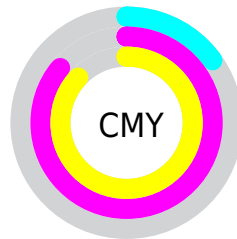
- Red (85%)
- Green (14%)
- Blue (13%)



- Red (85%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (83%)
- Yellow (84%)
- Black (15%)





- Cyan (15%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8331, 16.2827, 3.0839 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 29.8331, 16.2827, 3.0839 by changing the saturation by 10% instead.

 29.8331, 16.2827,
3.0839


 29.8331, 16.2827,
3.0839


293.0495,
231.0041, 137.4221


 19.8594, 9.7244,
1.1376


 58.7866, 37.0883,
11.8348


 12.4005, 5.2166,
0.0000


 78.4970, 52.1044,
19.4765

 7.0912, 2.3749,
0.0000


 102.1838, 70.7086,
29.8537

 3.5660, 0.8129,
0.0000

 130.2122, 93.2852,
43.3850

 1.4597, 0.0000,
0.0000

 162.9477,
120.2187, 60.4890


 0.2982, 0.0000,
0.0000


 200.7554,


 0.0000, 0.0000,


151.8934, 81.5842


0.0000


 244.0009,
188.6937, 107.0890


 29.8331, 16.2827,
3.0839


 29.8331, 16.2827,
3.0839


 29.1441, 15.2589,
1.7635

 31.1142, 18.1728,
5.5837

 28.9392, 14.9572,
1.3618

 33.0803, 21.0619,
9.4548

 35.8093, 25.0633,
14.8555

 39.3686, 30.2743,
21.9224

 43.8177, 36.7815,
30.7770

■ 49.2112, 44.6637,
41.5295

■ 55.5988, 53.9934,
54.2813

■ 63.0272, 64.8380,
69.1263

■ 71.5398, 77.2606,
86.1529

Harmonies

Analogous

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



34.0122, 16.2827, 13.9450



29.8331, 16.2827, 3.0839



21.9432, 16.2827, 0.4515

Triad

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



29.8331, 16.2827, 3.0839



5.8901, 16.2827, 5.8605



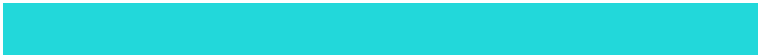
16.9489, 16.2827, 95.0738

Complementary

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



29.8331, 16.2827, 3.0839



37.8657, 54.5044, 74.8539

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.



10.4239, 16.2827, 85.3135



29.8331, 16.2827, 3.0839



5.3052, 16.2827, 22.1424

Square

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



29.8331, 16.2827, 3.0839



8.6361, 16.2827, 1.0407



6.6725, 16.2827, 53.1355



25.2160, 16.2827, 74.1771

Rectangle

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



29.8331, 16.2827, 3.0839



16.5117, 16.2827, 0.0000



6.6725, 16.2827, 53.1355



14.4850, 16.2827, 95.3929

Sweetspot

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



29.8335, 16.2837, 3.0841



69.5100, 62.7095, 57.8752



42.1401, 21.1114, 68.1831



14.2691, 12.5327, 11.1733



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.



29.8335, 16.2837, 3.0841



41.2704, 21.3207, 1.9401



36.6629, 29.9426, 5.3606



13.0674, 13.0742, 13.5604



17.3428, 8.9712, 0.8175



1.1277, 0.5894, 0.0543

Inverse Universe

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



37.8657, 54.5044, 74.8539



52.9244, 76.9689, 106.6748



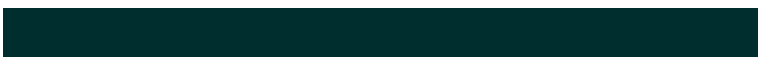
20.7754, 20.3238, 69.1571



13.4320, 14.8038, 16.8016



22.2389, 32.3472, 44.8099



1.4448, 2.1037, 2.9043

Previews

White Background



This preview shows how the XYZ color 29.8331, 16.2827, 3.0839 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 29.8331, 16.2827, 3.0839 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 29.8331, 16.2827, 3.0839

Background



This preview shows how black text looks on a background with the XYZ color 29.8331, 16.2827, 3.0839.



This preview shows how white text looks on a background with the XYZ color 29.8331, 16.2827,

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

29.8331, 16.2827, 3.0839

Protanopia

15.1519, 16.5029, 5.7549

Deuteranopia

16.5854, 16.3550, 2.2827



Tritanopia

29.8331, 16.2827, 3.0839

Trichromacy



Original Color

29.8331, 16.2827, 3.0839

Protanomaly

18.0397, 14.0652, 4.3488

Deuteranomaly

19.5864, 14.4575, 2.1061

Tritanomaly

29.8331, 16.2827, 3.0839

Monochromacy



Original Color

29.8331, 16.2827, 3.0839

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

13.6122, 10.1409, 7.0343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8331, 16.2827, 3.0839 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, 36, 34)` looks like.

```
.text, #text, p{  
    color:rgb(218, 36, 34)  
}
```

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, 36, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 36, 34) }
```

Border

The CSS property to change the border of an element to XYZ 29.8331, 16.2827, 3.0839 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, 36, 34) }
```


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

```
.border{ border-color:rgb(218, 36, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 36, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 36, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 36, 34);  
box-shadow:4px 4px 4px 4px rgb(218, 36,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8331, 16.2827, 3.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 36, 34) }
```

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

```
.background{ background-color: rgb(218, 36,  
34) }
```

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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