

Converting Colors

XYZ(29.4137, 16.5497, 2.4237)

Have a look what the booklet for
XYZ(29.4137, 16.5497, 2.4237)
contains.

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Color

**XYZ(29.4021, 16.5336,
2.4007)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D82D16 |
| RGB | 216, 45, 22 |
| RGB Percent | 85%, 18%, 9% |
| CMY | 0.1529, 0.8235, 0.9137 |
| CMYK | 0.00, 0.79, 0.90, 0.15 |
| HSL | 7°, 82%, 47% |
| HSV | 7°, 90%, 85% |
| XYZ | 29.4021, 16.5336, 2.4007 |
| YIQ | 93.5070, 109.2990, 29.0990 |

Conversions

Conversions Part 2

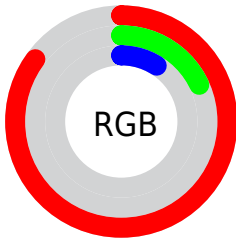
| Format | Color |
|-------------------------------------|---|
| RYB | 216, 48, 22 |
| Decimal | 14167318 |
| CIELab | 47.67, 63.73, 53.69 |
| CIElCh | 48, 83.330, 40.112 |
| Yxy | 16.5336, 0.6083, 0.3421 |
| Android (android.graphics.Color) | 4292357398 (0xFFD82D16) |
| YUV | 93.5070, -35.2530, 107.4264 |
| Hunter-Lab | 40.6615, 57.9146, 24.9625 |

Details

The XYZ color **29.4021, 16.5336, 2.4007** 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 **31.7924, 43.2622, 71.6401**, and the grayscale version is **10.5869, 11.1382, 12.1295**.

A 20% lighter version of the original color is **47.5314, 32.0230, 9.6371**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.6898, 15.3375, 1.4598**, and if you desaturate by 10%, it is **30.6022, 18.4503, 4.2921**.

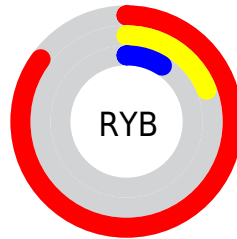
Distribution



Red (85%)

Green (18%)

Blue (9%)



Red (85%)

Yellow (19%)

Blue (9%)

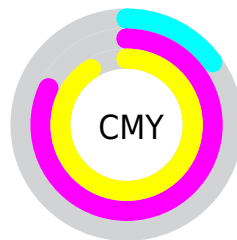


Cyan (0%)

Magenta (79%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (82%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4021, 16.5336, 2.4007 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 29.4021, 16.5336, 2.4007 by changing the saturation by 10% instead.


 29.4021, 16.5336,
2.4007


 29.4021, 16.5336,
2.4007


291.0676,
232.4701, 128.3178


 19.5310, 9.9025,
0.7868


 58.1085, 37.5221,
10.1099


 12.1609, 5.3344,
0.0000


 77.6745, 52.6483,
17.0529


 6.9263, 2.4448,
0.0000


 101.2029, 71.3751,
26.6130

 3.4620, 0.8488,
0.0000

 129.0590, 94.0867,
39.2087

 1.4025, 0.0000,
0.0000

 161.6081,
121.1676, 55.2584

 0.2580, 0.0000,
0.0000


 199.2157,


 0.0000, 0.0000,


153.0022, 75.1808


0.0000


 242.2471,
189.9749, 99.3944


 29.4021, 16.5336,
2.4007


 29.4021, 16.5336,
2.4007


 28.6898, 15.3375,
1.4598

 30.6022, 18.4503,
4.2921

 28.6798, 15.3210,
1.4457

 32.3788, 21.1830,
7.4138

 34.7948, 24.8115,
11.9295

 37.9043, 29.4049,
17.9774

 41.7557, 35.0259,
25.6793

■ 46.3930, 41.7317,
35.1444

■ 51.8567, 49.5751,
46.4729

■ 58.1844, 58.6058,
59.7570

■ 65.4116, 68.8702,
75.0833

Harmonies

Analogous

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



34.4404, 16.5336, 11.7207



29.4021, 16.5336, 2.4007



21.1048, 16.5336, 0.2673

Triad

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



29.4021, 16.5336, 2.4007



5.7311, 16.5336, 7.3472



18.3646, 16.5336, 96.0411

Complementary

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



29.4021, 16.5336, 2.4007



31.7924, 43.2622, 71.6401

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.



11.3306, 16.5336, 90.6256



29.4021, 16.5336, 2.4007



5.4148, 16.5336, 26.2028

Square

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



29.4021, 16.5336, 2.4007



8.1782, 16.5336, 1.3283



7.1122, 16.5336, 59.4427



26.8600, 16.5336, 71.0833

Rectangle

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



29.4021, 16.5336, 2.4007



15.6866, 16.5336, 0.0000



7.1122, 16.5336, 59.4427



15.7428, 16.5336, 97.9986

Sweetspot

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



29.4025, 16.5346, 2.4009



69.4814, 63.5366, 55.1397



38.2722, 19.0393, 52.3243



14.3225, 12.8086, 10.6701



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.



29.4025, 16.5346, 2.4009



41.7106, 22.2012, 2.0869



38.0820, 33.8938, 5.2941



12.5407, 12.6557, 12.9425



17.0168, 9.1509, 0.8694



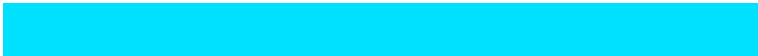
1.0668, 0.6328, 0.0659

Inverse Universe

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



31.7924, 43.2622, 71.6401



44.9078, 60.9355, 104.0026



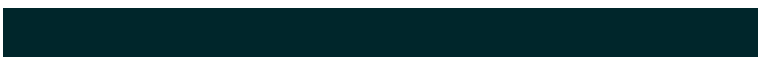
16.9419, 13.5613, 66.6899



12.6606, 13.8446, 15.9425



18.3360, 24.9337, 42.2994



1.1423, 1.5765, 2.5634

Previews

White Background



This preview shows how the XYZ color 29.4021, 16.5336, 2.4007 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 29.4021, 16.5336, 2.4007 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 29.4021, 16.5336, 2.4007

Background



This preview shows how black text looks on a background with the XYZ color 29.4021, 16.5336, 2.4007.



This preview shows how white text looks on a background with the XYZ color 29.4021, 16.5336,

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

29.4021, 16.5336, 2.4007

Protanopia

15.1196, 16.6866, 4.2577

Deuteranopia

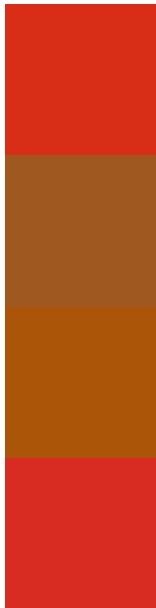
16.8642, 16.6544, 2.3258



Tritanopia

29.6188, 16.5011, 3.9094

Trichromacy



Original Color

29.4021, 16.5336, 2.4007

Protanomaly

18.1312, 14.6200, 3.2328

Deuteranomaly

19.8699, 15.0606, 2.0895

Tritanomaly

29.5230, 16.5216, 3.2231

Monochromacy



Original Color

29.4021, 16.5336, 2.4007

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.1091, 10.9895, 6.8464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4021, 16.5336, 2.4007 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(216, 45, 22)` looks like.

```
.text, #text, p{  
    color:rgb(216, 45, 22)  
}
```

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(216, 45, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 45, 22) }
```

Border

The CSS property to change the border of an element to XYZ 29.4021, 16.5336, 2.4007 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(216, 45, 22) }
```


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

```
.border{ border-color:rgb(216, 45, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 45, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 45, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 45, 22);  
box-shadow:4px 4px 4px 4px rgb(216, 45,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4021, 16.5336, 2.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 45, 22) }
```

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

```
.background{ background-color: rgb(216, 45,  
22) }
```

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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