

Converting Colors

XYZ(29.2003, 16.7394, 1.8791)

Have a look what the booklet for
XYZ(29.2003, 16.7394, 1.8791)
contains.

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Color

**XYZ(29.2033, 16.7436,
1.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	D73207
RGB	215, 50, 7
RGB Percent	84%, 20%, 3%
CMY	0.1569, 0.8039, 0.9725
CMYK	0.00, 0.77, 0.97, 0.16
HSL	12°, 94%, 44%
HSV	12°, 97%, 84%
XYZ	29.2033, 16.7436, 1.8937
YIQ	94.4330, 112.1430, 21.6070

Conversions

Conversions Part 2

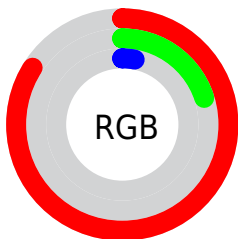
Format	Color
RYB	215, 61, 7
Decimal	14103047
CIELab	47.94, 61.81, 58.42
CIElCh	48, 85.045, 43.383
Yxy	16.7436, 0.6104, 0.3500
Android (android.graphics.Color)	4292293127 (0xFFD73207)
YUV	94.4330, -43.1045, 105.7373
Hunter-Lab	40.9189, 55.7849, 25.8994

Details

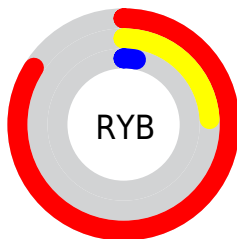
The XYZ color **29.2033, 16.7436, 1.8937** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.1039, 34.4526, 69.5110**, and the grayscale version is **10.8240, 11.3876, 12.4011**.

A 20% lighter version of the original color is **47.5509, 32.5342, 8.1884**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.9420, 16.2826, 1.6175**, and if you desaturate by 10%, it is **30.2510, 18.5555, 3.1176**.

Distribution



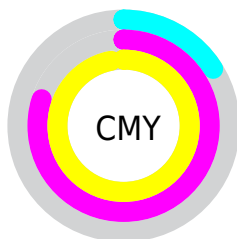
- Red (84%)
- Green (20%)
- Blue (3%)



- Red (84%)
- Yellow (24%)
- Blue (3%)



- Cyan (0%)
- Magenta (77%)
- Yellow (97%)
- Black (16%)





- Cyan (16%)
- Magenta (80%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2033, 16.7436, 1.8937 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 29.2033, 16.7436, 1.8937 by changing the saturation by 10% instead.


 29.2033, 16.7436,
1.8937


 29.2033, 16.7436,
1.8937


 290.1499,
233.6905, 120.7037

 19.3797, 10.0519,
0.4887


 57.7953, 37.8844,
8.7481


 12.0506, 5.4334,
0.0000


 77.2944, 53.1023,
15.1085

 6.8506, 2.5037,
0.0000


 100.7493, 71.9309,
23.9824

 3.4143, 0.8785,
0.0000

 128.5255, 94.7548,
35.7884

 1.3765, 0.0000,
0.0000

 160.9884,
121.9583, 50.9450


 0.2394, 0.0000,
0.0000


 198.5031,


 0.0000, 0.0000,


153.9258, 69.8707


0.0000


 241.4352,
191.0418, 92.9841


 29.2033, 16.7436,
1.8937


 29.2033, 16.7436,
1.8937


 28.9420, 16.2826,
1.6175

 30.2510, 18.5555,
3.1176

 31.7797, 21.0368,
5.4035

 33.8484, 24.2499,
8.9429

 36.5056, 28.2483,
13.8851

 39.7937, 33.0806,
20.3579

■ 43.7514, 38.7909,
28.4751

■ 48.4140, 45.4205,
38.3392

■ 53.8141, 53.0079,
50.0445

■ 59.9826, 61.5892,
63.6786

Harmonies

Analogous

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



34.9814, 16.7436, 10.1044



29.2033, 16.7436, 1.8937



20.5103, 16.7436, 0.0807

Triad

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



29.2033, 16.7436, 1.8937



5.5595, 16.7436, 8.6308



19.5740, 16.7436, 97.7982

Complementary

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



29.2033, 16.7436, 1.8937



27.1039, 34.4526, 69.5110

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.



12.0619, 16.7436, 95.9220



29.2033, 16.7436, 1.8937



5.4535, 16.7436, 29.8457

Square

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



29.2033, 16.7436, 1.8937



7.7878, 16.7436, 1.5455



7.4285, 16.7436, 65.2859



28.3311, 16.7436, 69.3062

Rectangle

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



29.2033, 16.7436, 1.8937



15.0605, 16.7436, 0.0000



7.4285, 16.7436, 65.2859



16.7997, 16.7436, 101.1213

Sweetspot

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



29.2037, 16.7446, 1.8939



69.4027, 64.2323, 52.4831



35.6818, 17.6316, 41.2611



14.2196, 12.8452, 9.8882



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.



29.2037, 16.7446, 1.8939



42.5008, 23.7816, 2.3503



39.3885, 37.1142, 5.2889



12.6292, 12.8327, 12.9720



17.3727, 9.8626, 0.9880



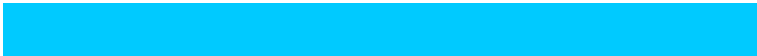
1.1083, 0.7158, 0.0797

Inverse Universe

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



27.1039, 34.4526, 69.5110



39.2341, 49.5883, 102.1114



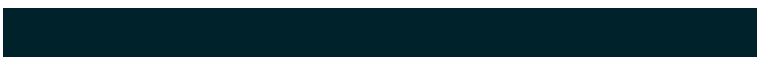
14.5063, 9.2573, 65.3118



12.5640, 13.6515, 15.9103



16.0733, 20.4084, 41.5452



1.0256, 1.3432, 2.5245

Previews

White Background



This preview shows how the XYZ color 29.2033, 16.7436, 1.8937 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 29.2033, 16.7436, 1.8937 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 29.2033, 16.7436, 1.8937

Background



This preview shows how black text looks on a background with the XYZ color 29.2033, 16.7436, 1.8937.



This preview shows how white text looks on a background with the XYZ color 29.2033, 16.7436,

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

29.2033, 16.7436, 1.8937

Protanopia

15.3704, 17.0032, 3.4491

Deuteranopia

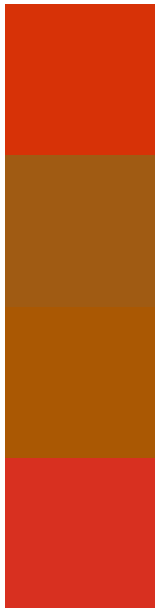
16.9702, 16.8666, 2.3611



Tritanopia

29.8485, 16.8372, 4.3660

Trichromacy



Original Color

29.2033, 16.7436, 1.8937

Protanomaly

18.3558, 15.0028, 2.5445

Deuteranomaly

20.0837, 15.5321, 2.0256

Tritanomaly

29.6366, 16.8171, 3.0505

Monochromacy



Original Color

29.2033, 16.7436, 1.8937

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.0751, 11.1999, 5.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2033, 16.7436, 1.8937 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(215, 50, 7)` looks like.

```
.text, #text, p{  
    color:rgb(215, 50, 7)  
}
```

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(215, 50, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 50, 7) }
```

Border

The CSS property to change the border of an element to XYZ 29.2033, 16.7436, 1.8937 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(215, 50, 7) }
```


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

```
.border{ border-color:rgb(215, 50, 7) }
```

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

Here you see how a box with a 4 pixel rgb(215, 50, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 50, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 50, 7);  
box-shadow:4px 4px 4px 4px rgb(215, 50, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.2033, 16.7436, 1.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 50, 7) }
```

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

```
.background{ background-color: rgb(215, 50,  
7) }
```

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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