

Converting Colors

XYZ(29.9796, 16.4583, 1.5967)

Have a look what the booklet for
XYZ(29.9796, 16.4583, 1.5967)
contains.

XYZ(29.8750, 16.3832, 1.5877)	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(29.8750, 16.3832,
1.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2500
RGB	219, 37, 0
RGB Percent	86%, 15%, 0%
CMY	0.1412, 0.8548, 1.0000
CMYK	0.00, 0.83, 1.00, 0.14
HSL	10°, 100%, 43%
HSV	10°, 100%, 86%
XYZ	29.8750, 16.3832, 1.5877
YIQ	87.2000, 120.3490, 27.0770

Conversions

Conversions Part 2

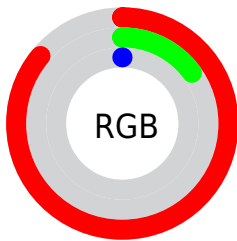
Format	Color
RYB	219, 45, 0
Decimal	14361856
CIELab	47.47, 66.37, 60.58
CIELCh	47, 89.855, 42.388
Yxy	16.3832, 0.6244, 0.3424
Android (android.graphics.Color)	4292551936 (0xFFDB2500)
YUV	87.2000, -42.9896, 115.5886
Hunter-Lab	40.4762, 60.9155, 26.0076

Details

The XYZ color **29.8750, 16.3832, 1.5877** 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 **29.5106, 38.5634, 72.9054**, and the grayscale version is **9.1758, 9.6536, 10.5128**.

A 20% lighter version of the original color is **46.7052, 31.0483, 7.2727**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.8753, 16.3841, 1.5878**, and if you desaturate by 10%, it is **30.7336, 17.8705, 2.5836**.

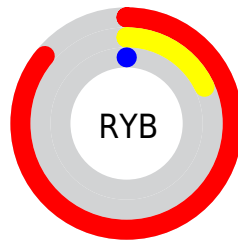
Distribution



Red (86%)

Green (15%)

Blue (0%)



Red (86%)

Yellow (18%)

Blue (0%)

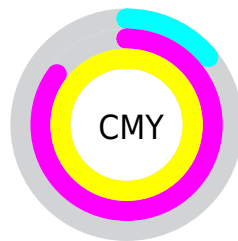


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8750, 16.3832, 1.5877 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 29.8750, 16.3832, 1.5877 by changing the saturation by 10% instead.


 29.8750, 16.3832,
1.5877


 29.8750, 16.3832,
1.5877


 293.2417,
231.5924, 115.6050


 19.8913, 9.7957,
0.2820


 58.8524, 37.2622,
7.8795


 12.4239, 5.2637,
0.0000


 78.5769, 52.3225,
13.8509


 7.1073, 2.4028,
0.0000


 102.2790, 70.9759,
22.2640

 3.5762, 0.8273,
0.0000

 130.3241, 93.6067,
33.5375

 1.4653, 0.0000,
0.0000

 163.0776,
120.5993, 48.0898


 0.3020, 0.0000,
0.0000


 200.9048,


 0.0000, 0.0000,


152.3383, 66.3394


0.0000


 244.1710,
189.2078, 88.7050


 29.8750, 16.3832,
1.5877


 29.8750, 16.3832,
1.5877


 29.8753, 16.3841,
1.5878

 30.7336, 17.8705,
2.5836

 32.0740, 20.0601,
4.5449

 33.9815, 23.0372,
7.7639

 36.5138, 26.8691,
12.4080

 39.7210, 31.6158,
18.6189

■ 43.6482, 37.3315,
26.5209

■ 48.3362, 44.0664,
36.2258

■ 53.8229, 51.8670,
47.8359

■ 60.1436, 60.7772,
61.4455

Harmonies

Analogous

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



35.8782, 16.3832, 9.9752



29.8750, 16.3832, 1.5877



20.6907, 16.3832, 0.0000

Triad

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



29.8750, 16.3832, 1.5877



5.0483, 16.3832, 7.5728



19.1004, 16.3832, 104.3737

Complementary

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



29.8750, 16.3832, 1.5877



29.5106, 38.5634, 72.9054

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.



11.3755, 16.3832, 101.0435



29.8750, 16.3832, 1.5877



4.8794, 16.3832, 29.0225

Square

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



29.8750, 16.3832, 1.5877



7.3497, 16.3832, 1.0874



6.7663, 16.3832, 66.8819



28.3739, 16.3832, 73.9530

Rectangle

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



29.8750, 16.3832, 1.5877



14.9413, 16.3832, 0.0000



6.7663, 16.3832, 66.8819



16.2197, 16.3832, 107.6043

Sweetspot

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



29.8753, 16.3842, 1.5879



68.0510, 61.9441, 50.7529



37.7085, 18.4581, 46.1025



13.9371, 12.3582, 9.5539



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.



29.8753, 16.3842, 1.5879



42.1076, 22.9951, 2.2192



39.4921, 35.6178, 4.7935



13.2330, 13.4054, 13.6156



17.7691, 9.8239, 0.9597



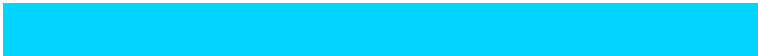
1.2064, 0.7469, 0.0806

Inverse Universe

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



29.5106, 38.5634, 72.9054



41.5681, 54.2562, 102.8894



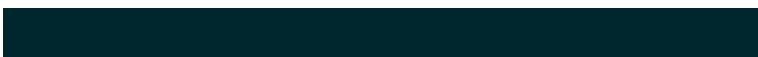
15.1687, 9.8797, 68.1248



13.2478, 14.4354, 16.7402



17.5686, 23.0067, 43.2532



1.1888, 1.5918, 2.8190

Previews

White Background



This preview shows how the XYZ color 29.8750, 16.3832, 1.5877 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 29.8750, 16.3832, 1.5877 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 29.8750, 16.3832, 1.5877

Background



This preview shows how black text looks on a background with the XYZ color 29.8750, 16.3832, 1.5877.



This preview shows how white text looks on a background with the XYZ color 29.8750, 16.3832,

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

29.8750, 16.3832, 1.5877

Protanopia

15.1172, 16.7030, 3.4641

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

30.0890, 16.3719, 3.0131

Trichromacy



Original Color

29.8750, 16.3832, 1.5877

Protanomaly

18.1269, 14.2731, 2.3299

Deuteranomaly

19.8119, 14.6925, 1.7917

Tritanomaly

29.9797, 16.3760, 2.2902

Monochromacy



Original Color

29.8750, 16.3832, 1.5877

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.8094, 9.6830, 4.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8750, 16.3832, 1.5877 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(219, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 37, 0)  
}
```

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(219, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 37, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8750, 16.3832, 1.5877 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(219, 37, 0) }
```


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

```
.border{ border-color:rgb(219, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8750, 16.3832, 1.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 37, 0) }
```

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

```
.background{ background-color: rgb(219, 37,  
0) }
```

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