

Converting Colors

XYZ(28.9627, 16.3238, 1.6243)

Have a look what the booklet for
XYZ(28.9627, 16.3238, 1.6243)
contains.

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Color

**XYZ(28.9627, 16.3238,
1.6243)**

Conversions

Conversions Part 1

Format	Color
Hex	D72D00
RGB	215, 45, 0
RGB Percent	84%, 18%, 0%
CMY	0.1569, 0.8235, 1.0000
CMYK	0.00, 0.79, 1.00, 0.16
HSL	13°, 100%, 42%
HSV	13°, 100%, 84%
XYZ	28.9627, 16.3238, 1.6243
YIQ	90.7000, 115.7650, 22.0450

Conversions

Conversions Part 2

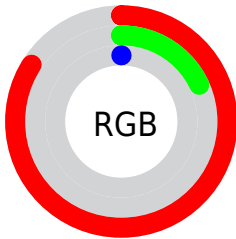
Format	Color
RYB	215, 57, 0
Decimal	14101760
CIELab	47.40, 63.20, 60.07
CIELCh	47, 87.195, 43.545
Yxy	16.3238, 0.6174, 0.3480
Android (android.graphics.Color)	4292291840 (0xFFD72D00)
YUV	90.7000, -44.7151, 109.0111
Hunter-Lab	40.4027, 57.2530, 25.8983

Details

The XYZ color **28.9627, 16.3238, 1.6243** 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 **26.6379, 33.6508, 69.3807**, and the grayscale version is **9.9571, 10.4756, 11.4079**.

A 20% lighter version of the original color is **47.1326, 31.8635, 7.5370**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.9630, 16.3247, 1.6245**, and if you desaturate by 10%, it is **29.8875, 17.9496, 2.6235**.

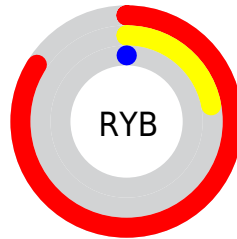
Distribution



Red (84%)

Green (18%)

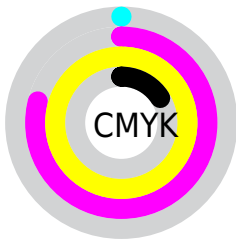
Blue (0%)



Red (84%)

Yellow (22%)

Blue (0%)

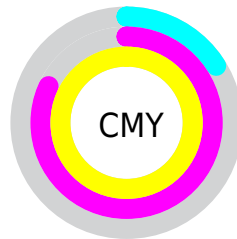


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9627, 16.3238, 1.6243 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 28.9627, 16.3238, 1.6243 by changing the saturation by 10% instead.


 28.9627, 16.3238,
1.6243


 28.9627, 16.3238,
1.6243


 289.0363,
231.2449, 116.2395


 19.1967, 9.7536,
0.3081


 57.4158, 37.1594,
7.9856


 11.9174, 5.2359,
0.0000


 76.8336, 52.1936,
14.0054

 6.7592, 2.3863,
0.0000


 100.1995, 70.8179,
22.4759

 3.3570, 0.8188,
0.0000

 127.8787, 93.4167,
33.8158

 1.3452, 0.0000,
0.0000

 160.2366,
120.3744, 48.4436

 0.2167, 0.0000,
0.0000


 197.6386,


 0.0000, 0.0000,


152.0754, 66.7778


0.0000


 240.4501,
188.9041, 89.2369


 28.9627, 16.3238,
1.6243


 28.9627, 16.3238,
1.6243


 28.9630, 16.3247,
1.6245

 29.8875, 17.9496,
2.6235

 31.2570, 20.2150,
4.5401

 33.1477, 23.1904,
7.6548

 35.6100, 26.9311,
12.1258

 38.6880, 31.4863,
18.0870

■ 42.4213, 36.9013,
25.6561

■ 46.8459, 43.2177,
34.9390

■ 51.9952, 50.4747,
46.0324

■ 57.9003, 58.7087,
59.0259

Harmonies

Analogous

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



34.8970, 16.3238, 9.5571



28.9627, 16.3238, 1.6243



20.1142, 16.3238, 0.0000

Triad

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



28.9627, 16.3238, 1.6243



5.1856, 16.3238, 8.2424



19.2602, 16.3238, 99.4882

Complementary

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



28.9627, 16.3238, 1.6243



26.6379, 33.6508, 69.3807

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.



11.6769, 16.3238, 97.7357



28.9627, 16.3238, 1.6243



5.0921, 16.3238, 29.7130

Square

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



28.9627, 16.3238, 1.6243



7.3677, 16.3238, 1.3336



7.0477, 16.3238, 66.1324



28.1615, 16.3238, 69.8690

Rectangle

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



28.9627, 16.3238, 1.6243



14.6150, 16.3238, 0.0000



7.0477, 16.3238, 66.1324



16.4518, 16.3238, 103.0018

Sweetspot

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



28.9630, 16.3248, 1.6245



68.7331, 63.3082, 50.9803



35.4705, 17.4255, 40.5236



14.0939, 12.6717, 9.6061



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.



28.9630, 16.3248, 1.6245



42.5308, 23.8417, 2.3603



39.0104, 36.4196, 4.9737



12.6318, 12.8379, 12.9729



17.3859, 9.8889, 0.9924



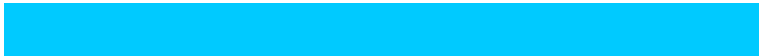
1.1095, 0.7182, 0.0802

Inverse Universe

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



26.6379, 33.6508, 69.3807



39.0797, 49.2795, 102.0599



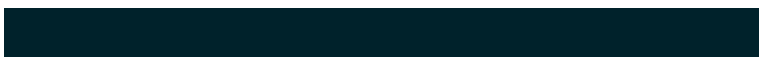
14.1274, 8.6298, 65.2106



12.5612, 13.6458, 15.9094



16.0116, 20.2849, 41.5246



1.0224, 1.3368, 2.5235

Previews

White Background



This preview shows how the XYZ color 28.9627, 16.3238, 1.6243 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 28.9627, 16.3238, 1.6243 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 28.9627, 16.3238, 1.6243

Background



This preview shows how black text looks on a background with the XYZ color 28.9627, 16.3238, 1.6243.



This preview shows how white text looks on a background with the XYZ color 28.9627, 16.3238,

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

28.9627, 16.3238, 1.6243

Protanopia

14.9562, 16.6212, 3.3972

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

29.2702, 16.2702, 3.7882

Trichromacy



Original Color

28.9627, 16.3238, 1.6243

Protanomaly

17.9716, 14.5562, 2.3927

Deuteranomaly

19.6107, 14.9320, 1.8486

Tritanomaly

29.0860, 16.2540, 2.6412

Monochromacy



Original Color

28.9627, 16.3238, 1.6243

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.3658, 10.4373, 5.3131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9627, 16.3238, 1.6243 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, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 45, 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(215, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 45, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9627, 16.3238, 1.6243 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, 45, 0) }
```


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

```
.border{ border-color:rgb(215, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.9627, 16.3238, 1.6243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 45, 0) }
```

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

```
.background{ background-color: rgb(215, 45,  
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](#).

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