

Converting Colors

XYZ(26.9520, 12.3653, 0.2817)

Have a look what the booklet for
XYZ(26.9520, 12.3653, 0.2817)
contains.

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Color

**XYZ(28.0243, 14.4471,
1.3115)**

Conversions

Conversions Part 1

Format	Color
Hex	D70000
RGB	215, 0, 0
RGB Percent	84%, 0%, 0%
CMY	0.1569, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.16
HSL	0°, 100%, 42%
HSV	0°, 100%, 84%
XYZ	28.0243, 14.4471, 1.3115
YIQ	64.2850, 128.1400, 45.5800

Conversions

Conversions Part 2

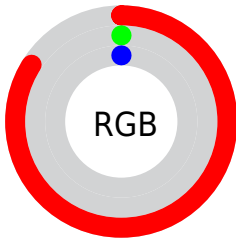
Format	Color
RYB	215, 0, 0
Decimal	14090240
CIELab	44.87, 70.43, 59.10
CIELCh	45, 91.939, 40.000
Yxy	14.4471, 0.6401, 0.3300
Android (android.graphics.Color)	4292280320 (0xFFD70000)
YUV	64.2850, -31.6925, 132.1771
Hunter-Lab	38.0093, 65.0918, 24.5608

Details

The XYZ color **28.0243, 14.4471, 1.3115** 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 **36.5528, 53.4806, 72.6856**, and the grayscale version is **4.9530, 5.2109, 5.6747**.

A 20% lighter version of the original color is **45.3956, 28.5058, 6.5996**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.0246, 14.4480, 1.3117**, and if you desaturate by 10%, it is **28.4424, 15.0596, 2.1417**.

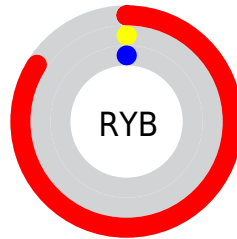
Distribution



Red (84%)

Green (0%)

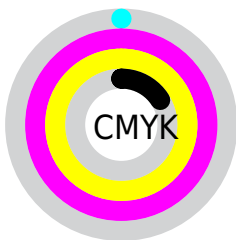
Blue (0%)



Red (84%)

Yellow (0%)

Blue (0%)

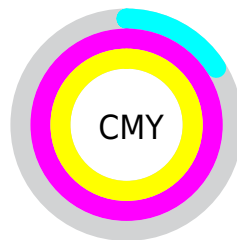


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0243, 14.4471, 1.3115 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 28.0243, 14.4471, 1.3115 by changing the saturation by 10% instead.

 28.0243, 14.4471,
1.3115


 28.0243, 14.4471,
1.3115


 284.6610,
219.9948, 110.5544


 18.4845, 8.4323,
0.0712


 55.9316, 33.8803,
7.0547


 11.4002, 4.3728,
0.0000


 75.0299, 48.0674,
12.6421

 6.4060, 1.8842,
0.0000


 98.0450, 65.7474,
20.5980

 3.1365, 0.5389,
0.0000

 125.3423, 87.3047,
31.3409

 1.2263, 0.0000,
0.0000

 157.2872,
113.1237, 45.2895

 0.1270, 0.0000,
0.0000


 194.2451,


 0.0000, 0.0000,


143.5888, 62.8623


0.0000


 236.5812,
179.0844, 84.4777


 28.0243, 14.4471,
1.3115


 28.0243, 14.4471,
1.3115


 28.0246, 14.4480,
1.3117

 28.4424, 15.0596,
2.1417

 29.3254, 16.3521,
3.8961

 30.8275, 18.5503,
6.8812

 33.0340, 21.7792,
11.2667

 36.0169, 26.1442,
17.1962

■ 39.8393, 31.7376,
24.7949

■ 44.5580, 38.6424,
34.1757

■ 50.2247, 46.9341,
45.4414

■ 56.8871, 56.6828,
58.6871

Harmonies

Analogous

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



33.4188, 14.4471, 9.5878



28.0243, 14.4471, 1.3115



19.2842, 14.4471, 0.0000

Triad

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



28.0243, 14.4471, 1.3115



4.1429, 14.4471, 5.4040



16.3941, 14.4471, 101.6763

Complementary

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



28.0243, 14.4471, 1.3115



36.5528, 53.4806, 72.6856

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.



9.3624, 14.4471, 95.3410



28.0243, 14.4471, 1.3115



3.8568, 14.4471, 24.0576

Square

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



28.0243, 14.4471, 1.3115



6.3855, 14.4471, 0.4844



5.3760, 14.4471, 60.0806



25.2580, 14.4471, 73.4107

Rectangle

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



28.0243, 14.4471, 1.3115



13.7314, 14.4471, 0.0000



5.3760, 14.4471, 60.0806



13.7316, 14.4471, 103.8716

Sweetspot

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



28.0246, 14.4480, 1.3117



65.3499, 56.5419, 49.8525



40.2897, 19.3532, 65.9014



13.3229, 11.1297, 9.3491



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.



28.0246, 14.4480, 1.3117



41.2407, 21.2613, 1.9302



33.3340, 25.0668, 3.0815



12.4235, 12.4213, 12.9035



16.7624, 8.6420, 0.7846



1.0111, 0.5214, 0.0474

Inverse Universe

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



36.5528, 53.4806, 72.6856



53.7906, 78.7013, 106.9635



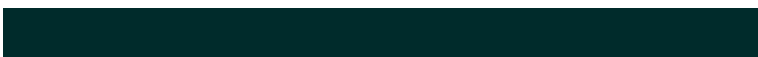
17.5755, 15.5261, 66.3598



12.7920, 14.1074, 15.9863



21.8633, 31.9884, 43.4752



1.3188, 1.9296, 2.6222

Previews

White Background



This preview shows how the XYZ color 28.0243, 14.4471, 1.3115 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



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 28.0243, 14.4471, 1.3115

Background



This preview shows how black text looks on a background with the XYZ color 28.0243, 14.4471, 1.3115.



This preview shows how white text looks on a background with the XYZ color 28.0243, 14.4471,

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

28.0243, 14.4471, 1.3115

Protanopia

13.7043, 15.1587, 3.3022

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

27.6907, 14.6464, 1.3676

Trichromacy



Original Color

28.0243, 14.4471, 1.3115

Protanomaly

15.9476, 11.3678, 1.9259

Deuteranomaly

17.4653, 11.8958, 1.3756

Tritanomaly

27.8755, 14.5840, 1.3458

Monochromacy



Original Color

28.0243, 14.4471, 1.3115

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.8009, 5.6679, 2.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0243, 14.4471, 1.3115 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, 0, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 28.0243, 14.4471, 1.3115 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, 0, 0) }
```


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

```
.border{ border-color:rgb(215, 0, 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, 0, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 28.0243, 14.4471, 1.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(215, 0,  
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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