

Converting Colors

XYZ(28.5860, 16.0195, 1.6233)

Have a look what the booklet for
XYZ(28.5860, 16.0195, 1.6233)
contains.

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Color

**XYZ(28.6009, 16.0261,
1.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	D62B01
RGB	214, 43, 1
RGB Percent	84%, 17%, 0%
CMY	0.1608, 0.8313, 0.9961
CMYK	0.00, 0.80, 1.00, 0.16
HSL	12°, 99%, 42%
HSV	12°, 100%, 84%
XYZ	28.6009, 16.0261, 1.6146
YIQ	89.3410, 115.3980, 23.1900

Conversions

Conversions Part 2

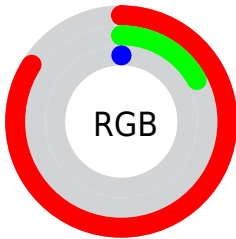
Format	Color
RYB	214, 53, 1
Decimal	14035713
CIELab	47.01, 63.47, 59.50
CIELCh	47, 86.996, 43.152
Yxy	16.0261, 0.6185, 0.3466
Android (android.graphics.Color)	4292225793 (0xFFD62B01)
YUV	89.3410, -43.5521, 109.3259
Hunter-Lab	40.0326, 57.4705, 25.6315

Details

The XYZ color **28.6009, 16.0261, 1.6146** 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 **26.8996, 34.3605, 68.8323**, and the grayscale version is **9.6485, 10.1510, 11.0544**.

A 20% lighter version of the original color is **47.0301, 31.6586, 7.5028**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.5668, 15.9670, 1.5763**, and if you desaturate by 10%, it is **29.5061, 17.6076, 2.6229**.

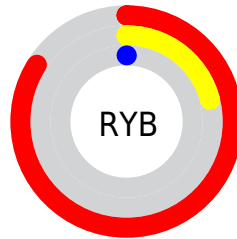
Distribution



Red (84%)

Green (17%)

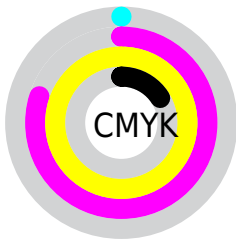
Blue (0%)



Red (84%)

Yellow (21%)

Blue (0%)

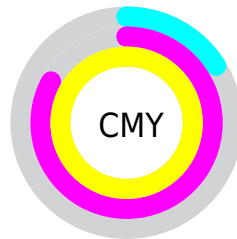


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6009, 16.0261, 1.6146 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 28.6009, 16.0261, 1.6146 by changing the saturation by 10% instead.


 28.6009, 16.0261,
1.6146


 28.6009, 16.0261,
1.6146


 287.3555,
229.4957, 116.0721


 18.9219, 9.5426,
0.3012


 56.8444, 36.6435,
7.9575


 11.7175, 5.0968,
0.0000


 76.1395, 51.5462,
13.9645

 6.6225, 2.3042,
0.0000


 99.3707, 70.0242,
22.4199

 3.2713, 0.7759,
0.0000

 126.9034, 92.4617,
33.7423

 1.2988, 0.0000,
0.0000

 159.1028,
119.2432, 48.3502

 0.1823, 0.0000,
0.0000


 196.3344,


 0.0000, 0.0000,


150.7531, 66.6621


0.0000


 238.9635,
187.3758, 89.0965


 28.6009, 16.0261,
1.6146


 28.6009, 16.0261,
1.6146


 28.5668, 15.9670,
1.5763

 29.5061, 17.6076,
2.6229

 30.8622, 19.8365,
4.5655

 32.7432, 22.7839,
7.7035

 35.1998, 26.5066,
12.1925

 38.2764, 31.0553,
18.1644

■ 42.0128, 36.4765,
25.7350

■ 46.4456, 42.8130,
35.0090

■ 51.6082, 50.1048,
46.0817

■ 57.5323, 58.3895,
59.0418

Harmonies

Analogous

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



34.3943, 16.0261, 9.5434



28.6009, 16.0261, 1.6146



19.8808, 16.0261, 0.0000

Triad

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



28.6009, 16.0261, 1.6146



5.0789, 16.0261, 7.9016



18.8117, 16.0261, 98.3779

Complementary

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



28.6009, 16.0261, 1.6146



26.8996, 34.3605, 68.8323

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.



11.3716, 16.0261, 96.1783



28.6009, 16.0261, 1.6146



4.9623, 16.0261, 28.8322

Square

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



28.6009, 16.0261, 1.6146



7.2541, 16.0261, 1.2543



6.8547, 16.0261, 64.6918



27.5971, 16.0261, 69.3792

Rectangle

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



28.6009, 16.0261, 1.6146



14.4415, 16.0261, 0.0000



6.8547, 16.0261, 64.6918



16.0515, 16.0261, 101.6970

Sweetspot

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



28.6012, 16.0271, 1.6148



68.5268, 62.8958, 50.9115



35.4751, 17.4109, 42.0223



14.0464, 12.5768, 9.5903



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.



28.6012, 16.0271, 1.6148



42.3935, 23.5669, 2.3145



38.1006, 35.0259, 4.7813



12.6196, 12.8135, 12.9688



17.3254, 9.7681, 0.9723



1.1038, 0.7068, 0.0783

Inverse Universe

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



26.8996, 34.3605, 68.8323



39.8097, 50.7393, 102.3032



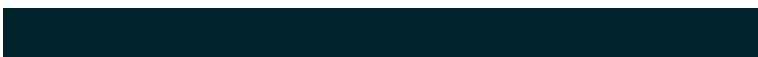
14.2445, 9.0504, 64.6139



12.5744, 13.6722, 15.9138



16.3033, 20.8683, 41.6219



1.0376, 1.3673, 2.5285

Previews

White Background



This preview shows how the XYZ color 28.6009, 16.0261, 1.6146 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 28.6009, 16.0261, 1.6146

Background



This preview shows how black text looks on a background with the XYZ color 28.6009, 16.0261, 1.6146.



This preview shows how white text looks on a background with the XYZ color 28.6009, 16.0261,

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

28.6009, 16.0261, 1.6146

Protanopia

14.6958, 16.3205, 3.3529

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

28.8734, 15.9669, 3.5676

Trichromacy



Original Color

28.6009, 16.0261, 1.6146

Protanomaly

17.6915, 14.2890, 2.3559

Deuteranomaly

19.3188, 14.6655, 1.8125

Tritanomaly

28.7109, 15.9566, 2.5440

Monochromacy



Original Color

28.6009, 16.0261, 1.6146

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.8874, 9.9985, 5.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6009, 16.0261, 1.6146 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(214, 43, 1)` looks like.

```
.text, #text, p{  
    color:rgb(214, 43, 1)  
}
```

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(214, 43, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 43, 1) }
```

Border

The CSS property to change the border of an element to XYZ 28.6009, 16.0261, 1.6146 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(214, 43, 1) }
```


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

```
.border{ border-color:rgb(214, 43, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 43, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 43, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 43, 1);  
box-shadow:4px 4px 4px 4px rgb(214, 43, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.6009, 16.0261, 1.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 43, 1) }
```

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

```
.background{ background-color: rgb(214, 43,  
1) }
```

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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