

Converting Colors

XYZ(28.9888, 18.6925, 2.4292)

Have a look what the booklet for
XYZ(28.9888, 18.6925, 2.4292)
contains.

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Color

**XYZ(28.8769, 18.6140,
2.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	D14B0C
RGB	209, 75, 12
RGB Percent	82%, 29%, 5%
CMY	0.1804, 0.7058, 0.9529
CMYK	0.00, 0.64, 0.94, 0.18
HSL	19°, 89%, 43%
HSV	19°, 94%, 82%
XYZ	28.8769, 18.6140, 2.4187
YIQ	107.8840, 100.0870, 8.8150

Conversions

Conversions Part 2

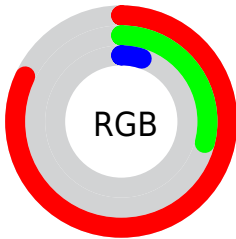
Format	Color
RYB	209, 105, 12
Decimal	13716236
CIELab	50.23, 50.65, 57.97
CIElCh	50, 76.979, 48.859
Yxy	18.6140, 0.5786, 0.3730
Android (android.graphics.Color)	4291906316 (0xFFD14B0C)
YUV	107.8840, -47.2708, 88.6787
Hunter-Lab	43.1439, 43.9709, 26.8769

Details

The XYZ color **28.8769, 18.6140, 2.4187** 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 **21.9380, 25.2373, 64.0361**, and the grayscale version is **14.3310, 15.0773, 16.4192**.

A 20% lighter version of the original color is **50.1034, 37.3658, 9.8818**, and **11.9855, 6.3739, 0.5986** is the 20% darker color. If you saturate the color by 10%, you get **28.2922, 17.5511, 1.8965**, and if you desaturate by 10%, it is **30.1585, 20.8466, 3.8660**.

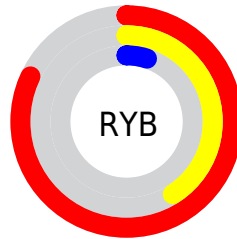
Distribution



Red (82%)

Green (29%)

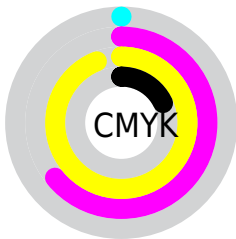
Blue (5%)



Red (82%)

Yellow (41%)

Blue (5%)

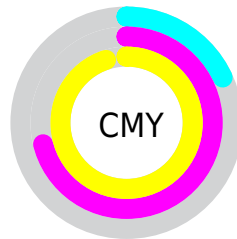


Cyan (0%)

Magenta (64%)

Yellow (94%)

Black (18%)



Cyan (18%)


Magenta (71%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8769, 18.6140, 2.4187 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 28.8769, 18.6140, 2.4187 by changing the saturation by 10% instead.


 28.8769, 18.6140,
2.4187


 28.8769, 18.6140,
2.4187


288.6384,
244.3095, 128.5727


 19.1315, 11.3917,
0.7966


 57.2804, 41.0808,
10.1568

 11.8699, 6.3309,
0.0000


 76.6692, 57.0941,
17.1194

 6.7267, 3.0473,
0.0000


 100.0032, 76.8066,
26.7024

 3.3366, 1.1565,
0.0000

 127.6477,
100.6025, 39.3244

 1.3342, 0.0257,
0.0000

 159.9681,
128.8664, 55.4038

 0.2086, 0.0000,
0.0000


 197.3298,


 0.0000, 0.0000,


161.9826, 75.3594


0.0000


 240.0981,
200.3355, 99.6095


 28.8769, 18.6140,
2.4187


 28.8769, 18.6140,
2.4187


 28.2922, 17.5511,
1.8965

 30.1585, 20.8466,
3.8660

 31.8496, 23.6079,
6.3439

 33.9920, 26.9349,
10.0108

 36.6210, 30.8599,
14.9971

 39.7681, 35.4122,
21.4159

■ 43.4617, 40.6192,
29.3682

■ 47.7280, 46.5064,
38.9455

■ 52.5915, 53.0982,
50.2323

■ 58.0751, 60.4173,
63.3071

Harmonies

Analogous

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



34.9850, 18.6140, 9.6959



28.8769, 18.6140, 2.4187



20.6039, 18.6140, 0.7746

Triad

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



28.8769, 18.6140, 2.4187



7.0375, 18.6140, 13.3347



22.7331, 18.6140, 89.0583

Complementary

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



28.8769, 18.6140, 2.4187



21.9380, 25.2373, 64.0361

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.



15.0683, 18.6140, 92.9444



28.8769, 18.6140, 2.4187



7.3107, 18.6140, 36.6130

Square

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



28.8769, 18.6140, 2.4187



8.9546, 18.6140, 3.4930



9.8479, 18.6140, 69.4567



30.8068, 18.6140, 60.9608

Rectangle

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



28.8769, 18.6140, 2.4187



15.5782, 18.6140, 0.7374



9.8479, 18.6140, 69.4567



19.9889, 18.6140, 93.7289

Sweetspot

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



28.8773, 18.6151, 2.4190



72.0263, 69.0568, 54.6610



31.6622, 15.9128, 28.8491



14.8022, 13.9311, 10.3271



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.



28.8773, 18.6151, 2.4190



44.2240, 27.2280, 2.9247



41.2818, 43.4241, 6.5538



12.1130, 12.4167, 12.3703



17.5236, 10.9801, 1.1958



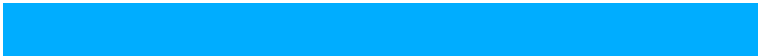
1.0510, 0.7564, 0.0906

Inverse Universe

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



21.9380, 25.2373, 64.0361



33.0786, 37.2772, 100.0595



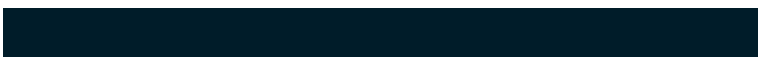
12.7220, 6.8052, 60.9640



11.8263, 12.7428, 15.0800



13.1666, 14.9798, 39.3899



0.8061, 0.9774, 2.2257

Previews

White Background



This preview shows how the XYZ color 28.8769, 18.6140, 2.4187 looks on a white 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

Black Background



This preview shows how the XYZ color 28.8769, 18.6140, 2.4187 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8769, 18.6140, 2.4187

Background



This preview shows how black text looks on a background with the XYZ color 28.8769, 18.6140, 2.4187.



This preview shows how white text looks on a background with the XYZ color 28.8769, 18.6140,

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

28.8769, 18.6140, 2.4187

Protanopia

16.8836, 18.6540, 3.6304

Deuteranopia

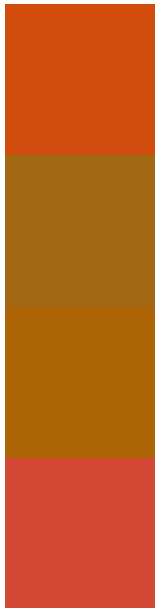
18.9662, 18.7100, 2.6118



Tritanopia

30.0045, 18.5764, 8.4827

Trichromacy



Original Color

28.8769, 18.6140, 2.4187

Protanomaly

19.9769, 17.6325, 3.0123

Deuteranomaly

21.8127, 18.0073, 2.4410

Tritanomaly

29.4932, 18.5754, 5.1629

Monochromacy



Original Color

28.8769, 18.6140, 2.4187

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.0625, 14.8665, 8.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8769, 18.6140, 2.4187 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(209, 75, 12)` looks like.

```
.text, #text, p{  
    color:rgb(209, 75, 12)  
}
```

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(209, 75, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 75, 12) }
```

Border

The CSS property to change the border of an element to XYZ 28.8769, 18.6140, 2.4187 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(209, 75, 12) }
```


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

```
.border{ border-color:rgb(209, 75, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 75, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 75, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 75, 12);  
box-shadow:4px 4px 4px 4px rgb(209, 75,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8769, 18.6140, 2.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 75, 12) }
```

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

```
.background{ background-color: rgb(209, 75,  
12) }
```

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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