

Converting Colors

XYZ(29.8644, 17.3724, 2.6782)

Have a look what the booklet for
XYZ(29.8644, 17.3724, 2.6782)
contains.

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Color

**XYZ(29.8606, 17.4015,
2.7047)**

Conversions

Conversions Part 1

Format	Color
Hex	D83719
RGB	216, 55, 25
RGB Percent	85%, 22%, 10%
CMY	0.1529, 0.7843, 0.9020
CMYK	0.00, 0.75, 0.88, 0.15
HSL	9°, 79%, 47%
HSV	9°, 88%, 85%
XYZ	29.8606, 17.4015, 2.7047
YIQ	99.7190, 105.5860, 24.8020

Conversions

Conversions Part 2

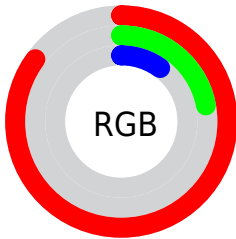
Format	Color
R_{YB}	216, 61, 25
Decimal	14169881
CIE Lab	48.76, 60.76, 53.30
CIE LCh	49, 80.825, 41.261
Yxy	17.4015, 0.5976, 0.3483
Android (android.graphics.Color)	4292359961 (0xFFD83719)
YUV	99.7190, -36.8365, 101.9784
Hunter-Lab	41.7151, 54.7728, 25.3564

Details

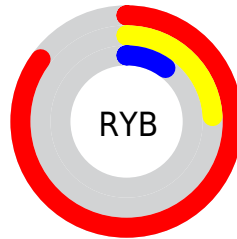
The XYZ color **29.8606, 17.4015, 2.7047** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.3520, 40.2775, 71.1400**, and the grayscale version is **12.1148, 12.7457, 13.8800**.

A 20% lighter version of the original color is **48.3812, 33.5647, 10.4072**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.9929, 15.9174, 1.6419**, and if you desaturate by 10%, it is **31.2207, 19.5947, 4.7840**.

Distribution



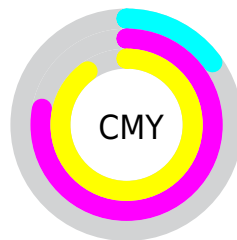
- Red (85%)
- Green (22%)
- Blue (10%)



- Red (85%)
- Yellow (24%)
- Blue (10%)



- Cyan (0%)
- Magenta (75%)
- Yellow (88%)
- Black (15%)





- Cyan (15%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8606, 17.4015, 2.7047 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 29.8606, 17.4015, 2.7047 by changing the saturation by 10% instead.


 29.8606, 17.4015,
2.7047

 29.8606, 17.4015,
2.7047


293.1756,
237.4756, 132.5059


 19.8803, 10.5212,
0.9458


 58.8298, 39.0148,
10.8906


 12.4159, 5.7459,
0.0000


 78.5495, 54.5166,
18.1549


 7.1018, 2.6912,
0.0000


 102.2463, 73.6609,
28.0913

 3.5727, 0.9727,
0.0000

 130.2857, 96.8323,
41.1185

 1.4634, 0.0000,
0.0000

 163.0329,
124.4151, 57.6551


 0.3007, 0.0000,
0.0000


 200.8534,


 0.0000, 0.0000,


156.7936, 78.1194


0.0000


 244.1126,
194.3523, 102.9302


 29.8606, 17.4015,
2.7047


 29.8606, 17.4015,
2.7047


 28.9929, 15.9174,
1.6419


 31.2207, 19.5947,
4.7840

 28.8890, 15.7394,
1.5154

 33.1457, 22.5736,
8.1112

 35.6918, 26.4059,
12.8442

 38.9079, 31.1510,
19.1170

 42.8378, 36.8631,
27.0481

■ 47.5216, 43.5919,
36.7443

■ 52.9962, 51.3837,
48.3034

■ 59.2963, 60.2819,
61.8160

■ 66.4544, 70.3277,
77.3669

Harmonies

Analogous

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



35.0098, 17.4015, 11.9949



29.8606, 17.4015, 2.7047



21.5978, 17.4015, 0.5266

Triad

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



29.8606, 17.4015, 2.7047



6.3239, 17.4015, 8.5644



19.5066, 17.4015, 94.7280

Complementary

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



29.8606, 17.4015, 2.7047



30.3520, 40.2775, 71.1400

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.



12.3401, 17.4015, 90.7243



29.8606, 17.4015, 2.7047



6.0718, 17.4015, 28.1710

Square

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



29.8606, 17.4015, 2.7047



8.7589, 17.4015, 1.7949



7.9199, 17.4015, 61.0968



27.9386, 17.4015, 69.7599

Rectangle

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



29.8606, 17.4015, 2.7047



16.2256, 17.4015, 0.2284



7.9199, 17.4015, 61.0968



16.8577, 17.4015, 97.0332

Sweetspot

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



29.8610, 17.4026, 2.7050



70.0779, 64.7296, 55.3386



37.6735, 18.8970, 48.8721



14.4592, 13.0819, 10.7157



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.



29.8610, 17.4026, 2.7050



42.0011, 22.7821, 2.1837



39.2654, 36.2114, 5.8398



12.5793, 12.7327, 12.9554



17.1503, 9.4179, 0.9139



1.0849, 0.6691, 0.0720

Inverse Universe

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



30.3520, 40.2775, 71.1400



42.3333, 55.7867, 103.1444



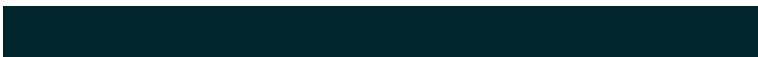
16.6097, 12.7930, 66.5592



12.6183, 13.7600, 15.9284



17.3104, 22.8826, 41.9576



1.0898, 1.4716, 2.5459

Previews

White Background



This preview shows how the XYZ color 29.8606, 17.4015, 2.7047 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 29.8606, 17.4015, 2.7047 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 29.8606, 17.4015, 2.7047

Background



This preview shows how black text looks on a background with the XYZ color 29.8606, 17.4015, 2.7047.



This preview shows how white text looks on a background with the XYZ color 29.8606, 17.4015,

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

29.8606, 17.4015, 2.7047

Protanopia

15.9502, 17.6216, 4.5681

Deuteranopia

17.7171, 17.5719, 2.4579



Tritanopia

30.4859, 17.4647, 5.1324

Trichromacy



Original Color

29.8606, 17.4015, 2.7047

Protanomaly

19.0040, 15.7038, 3.6196

Deuteranomaly

20.8037, 16.2726, 2.3029

Tritanomaly

30.3244, 17.4723, 4.0597

Monochromacy



Original Color

29.8606, 17.4015, 2.7047

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.5283, 12.5725, 7.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8606, 17.4015, 2.7047 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(216, 55, 25)` looks like.

```
.text, #text, p{  
    color:rgb(216, 55, 25)  
}
```

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(216, 55, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 55, 25) }
```

Border

The CSS property to change the border of an element to XYZ 29.8606, 17.4015, 2.7047 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(216, 55, 25) }
```


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

```
.border{ border-color:rgb(216, 55, 25) }
```

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

Here you see how a box with a 4 pixel rgb(216, 55, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 55, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 55, 25);  
box-shadow:4px 4px 4px 4px rgb(216, 55,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8606, 17.4015, 2.7047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 55, 25) }
```

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

```
.background{ background-color: rgb(216, 55,  
25) }
```

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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