

Converting Colors

XYZ(29.8436, 16.9817, 2.4488)

Have a look what the booklet for
XYZ(29.8436, 16.9817, 2.4488)
contains.

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Color

**XYZ(29.8584, 17.0063,
2.4679)**

Conversions

Conversions Part 1

Format	Color
Hex	D93116
RGB	217, 49, 22
RGB Percent	85%, 19%, 9%
CMY	0.1490, 0.8078, 0.9137
CMYK	0.00, 0.77, 0.90, 0.15
HSL	8°, 82%, 47%
HSV	8°, 90%, 85%
XYZ	29.8584, 17.0063, 2.4679
YIQ	96.1540, 108.7950, 27.2190

Conversions

Conversions Part 2

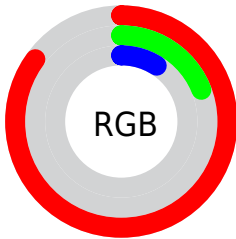
Format	Color
R_{YB}	217, 53, 22
Decimal	14233878
CIE _{Lab}	48.27, 62.88, 54.21
CIE _{LCh}	48, 83.019, 40.764
Yxy	17.0063, 0.6052, 0.3447
Android (android.graphics.Color)	4292423958 (0xFFD93116)
YUV	96.1540, -36.5579, 105.9819
Hunter-Lab	41.2387, 57.0731, 25.3189

Details

The XYZ color **29.8584, 17.0063, 2.4679** 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 **31.2656, 42.0012, 72.1042**, and the grayscale version is **11.2247, 11.8092, 12.8603**.

A 20% lighter version of the original color is **47.8460, 32.6522, 9.7420**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.0891, 15.6971, 1.5053**, and if you desaturate by 10%, it is **31.1136, 19.0302, 4.3869**.

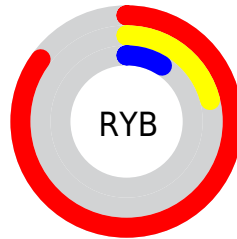
Distribution



Red (85%)

Green (19%)

Blue (9%)



Red (85%)

Yellow (21%)

Blue (9%)

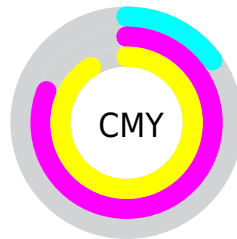


Cyan (0%)

Magenta (77%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (81%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8584, 17.0063, 2.4679 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 29.8584, 17.0063, 2.4679 by changing the saturation by 10% instead.


 29.8584, 17.0063,
2.4679


 29.8584, 17.0063,
2.4679


293.1656,
235.2087, 129.2648


 19.8787, 10.2390,
0.8231


 58.8263, 38.3366,
10.2845


 12.4146, 5.5577,
0.0000


 78.5453, 53.6684,
17.3002

 7.1009, 2.5780,
0.0000


 102.2413, 72.6238,
26.9454

 3.5722, 0.9156,
0.0000

 130.2798, 95.5872,
39.6388

 1.4631, 0.0000,
0.0000

 163.0261,
122.9430, 55.7989


 0.3005, 0.0000,
0.0000


 200.8456,


 0.0000, 0.0000,


155.0755, 75.8443


0.0000


 244.1036,
192.3693, 100.1934


 29.8584, 17.0063,
2.4679

 29.8584, 17.0063,
2.4679


 29.0891, 15.6971,
1.5053


 31.1136, 19.0302,
4.3869

 29.0808, 15.6832,
1.4944

 32.9408, 21.8579,
7.5450

 35.4008, 25.5641,
12.1070

 38.5460, 30.2141,
18.2122

 42.4231, 35.8670,
25.9829

■ 47.0749, 42.5770,
35.5292

■ 52.5406, 50.3943,
46.9516

■ 58.8569, 59.3659,
60.3433

■ 66.0582, 69.5363,
75.7911

Harmonies

Analogous

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



35.0565, 17.0063, 11.7809



29.8584, 17.0063, 2.4679



21.4402, 17.0063, 0.3382

Triad

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



29.8584, 17.0063, 2.4679



5.9592, 17.0063, 7.9110



19.0328, 17.0063, 96.8828

Complementary

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



29.8584, 17.0063, 2.4679



31.2656, 42.0012, 72.1042

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.



11.8333, 17.0063, 92.1654



29.8584, 17.0063, 2.4679



5.6780, 17.0063, 27.4284

Square

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



29.8584, 17.0063, 2.4679



8.4108, 17.0063, 1.4984



7.4664, 17.0063, 61.1543



27.6307, 17.0063, 71.3120

Rectangle

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



29.8584, 17.0063, 2.4679



15.9710, 17.0063, 0.0146



7.4664, 17.0063, 61.1543



16.3585, 17.0063, 99.0953

Sweetspot

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



29.8588, 17.0073, 2.4681



69.7885, 64.1507, 55.2421



38.3059, 19.0870, 50.9551



14.3928, 12.9492, 10.6935



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.



29.8588, 17.0073, 2.4681



41.8506, 22.4813, 2.1335



38.9618, 35.2135, 5.5025



13.2008, 13.3410, 13.6049



17.6492, 9.5840, 0.9197



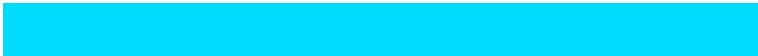
1.1912, 0.7166, 0.0755

Inverse Universe

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



31.2656, 42.0012, 72.1042



43.5580, 58.2359, 103.5527



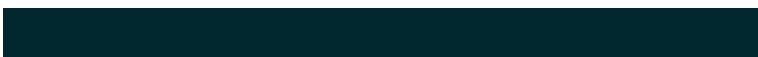
16.8136, 13.0972, 67.2869



13.2831, 14.5059, 16.7520



18.3891, 24.6476, 43.5267



1.2346, 1.6833, 2.8343

Previews

White Background



This preview shows how the XYZ color 29.8584, 17.0063, 2.4679 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 29.8584, 17.0063, 2.4679 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 29.8584, 17.0063, 2.4679

Background



This preview shows how black text looks on a background with the XYZ color 29.8584, 17.0063, 2.4679.



This preview shows how white text looks on a background with the XYZ color 29.8584, 17.0063,

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

29.8584, 17.0063, 2.4679

Protanopia

15.6485, 17.2978, 4.3478

Deuteranopia

17.3227, 17.0483, 2.3776



Tritanopia

30.1054, 16.9109, 4.3667

Trichromacy



Original Color

29.8584, 17.0063, 2.4679

Protanomaly

18.7858, 15.3356, 3.3365

Deuteranomaly

20.4653, 15.6046, 2.1631

Tritanomaly

29.9816, 16.9247, 3.5203

Monochromacy



Original Color

29.8584, 17.0063, 2.4679

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

14.6854, 11.5971, 7.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8584, 17.0063, 2.4679 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(217, 49, 22)` looks like.

```
.text, #text, p{  
  color:rgb(217, 49, 22)  
}
```

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(217, 49, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 49, 22) }
```

Border

The CSS property to change the border of an element to XYZ 29.8584, 17.0063, 2.4679 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(217, 49, 22) }
```


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

```
.border{ border-color:rgb(217, 49, 22) }
```

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

Here you see how a box with a 4 pixel rgb(217, 49, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 49, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 49, 22);  
box-shadow:4px 4px 4px 4px rgb(217, 49,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8584, 17.0063, 2.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 49, 22) }
```

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

```
.background{ background-color: rgb(217, 49,  
22) }
```

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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