

Converting Colors

XYZ(29.6534, 19.3805, 4.7352)

Have a look what the booklet for
XYZ(29.6534, 19.3805, 4.7352)
contains.

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Color

**XYZ(29.5836, 19.3445,
4.7594)**

Conversions

Conversions Part 1

Format	Color
Hex	D14F2E
RGB	209, 79, 46
RGB Percent	82%, 31%, 18%
CMY	0.1804, 0.6902, 0.8196
CMYK	0.00, 0.62, 0.78, 0.18
HSL	12°, 64%, 50%
HSV	12°, 78%, 82%
XYZ	29.5836, 19.3445, 4.7594
YIQ	114.1080, 88.0730, 17.2970

Conversions

Conversions Part 2

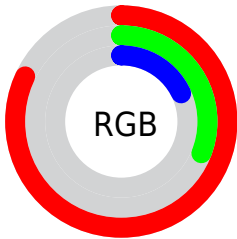
Format	Color
R_{YB}	209, 87, 46
Decimal	13717294
CIE _{Lab}	51.09, 49.68, 45.22
CIE _{LCh}	51, 67.175, 42.308
Yxy	19.3445, 0.5510, 0.3603
Android (android.graphics.Color)	4291907374 (0xFFD14F2E)
YUV	114.1080, -33.5772, 83.2203
Hunter-Lab	43.9824, 43.0942, 24.3718

Details

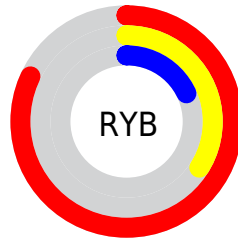
The XYZ color **29.5836, 19.3445, 4.7594** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **28.1591, 36.2319, 65.8305**, and the grayscale version is **16.1066, 16.9454, 18.4535**.

A 20% lighter version of the original color is **51.6479, 38.8432, 15.3650**, and **12.2828, 6.7034, 0.6465** is the 20% darker color. If you saturate the color by 10%, you get **28.2121, 17.1082, 2.7407**, and if you desaturate by 10%, it is **31.4578, 22.2660, 7.9344**.

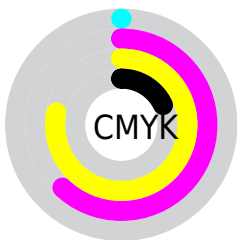
Distribution



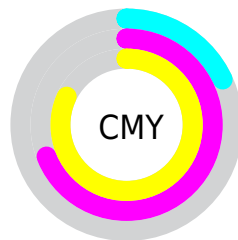
- Red (82%)
- Green (31%)
- Blue (18%)



- Red (82%)
- Yellow (34%)
- Blue (18%)



- Cyan (0%)
- Magenta (62%)
- Yellow (78%)
- Black (18%)





- Cyan (18%)
- Magenta (69%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5836, 19.3445, 4.7594 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 29.5836, 19.3445, 4.7594 by changing the saturation by 10% instead.


 29.5836, 19.3445,
4.7594

 29.5836, 19.3445,
4.7594


291.9035,
248.3440, 156.3252


 19.6692, 11.9195,
2.0505

 58.3942, 42.3154,
15.7264

 12.2617, 6.6889,
0.5861


 78.0212, 58.6301,
24.8216


 6.9956, 3.2683,
0.0000


 101.6164, 78.6768,
36.8827

 3.5057, 1.2734,
0.0000

 129.5452,
102.8399, 52.3283

 1.4265, 0.1204,
0.0000

 162.1729,
131.5037, 71.5767

 0.2750, 0.0000,
0.0000

 199.8650,

 0.0000, 0.0000,

165.0528, 95.0467

0.0000

242.9867,
203.8714, 123.1567

■ 29.5836, 19.3445,
4.7594

■ 29.5836, 19.3445,
4.7594

■ 28.2121, 17.1082,
2.7407

■ 31.4578, 22.2660,
7.9344

■ 27.2816, 15.4929,
1.6732

■ 33.8797, 25.9208,
12.4069

■ 27.1337, 15.2341,
1.5104

■ 36.8903, 30.3564,
18.2988

■ 40.5263, 35.6151,
25.7173

■ 44.8212, 41.7364,
34.7596

■ 49.8062, 48.7568,
45.5146

■ 55.5104, 56.7109,
58.0646

■ 61.9611, 65.6316,
72.4868

■ 69.1842, 75.5498,
88.8538

Harmonies

Analogous

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



33.9617, 19.3445, 14.1687



29.5836, 19.3445, 4.7594



22.5618, 19.3445, 1.8776

Triad

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



29.5836, 19.3445, 4.7594



8.6813, 19.3445, 11.7632



21.2553, 19.3445, 81.1075

Complementary

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



29.5836, 19.3445, 4.7594



28.1591, 36.2319, 65.8305

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.



14.7608, 19.3445, 78.9354



29.5836, 19.3445, 4.7594



8.4937, 19.3445, 29.8939

Square

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



29.5836, 19.3445, 4.7594



11.0397, 19.3445, 3.9112



10.4450, 19.3445, 56.6786



28.4303, 19.3445, 61.5261

Rectangle

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



29.5836, 19.3445, 4.7594



17.8751, 19.3445, 1.5574



10.4450, 19.3445, 56.6786



18.9072, 19.3445, 83.1230

Sweetspot

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



29.5840, 19.3456, 4.7597



73.8549, 70.4838, 62.1458



35.1474, 18.6597, 43.0311



15.2147, 14.2489, 12.0279



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.



29.5840, 19.3456, 4.7597



43.1527, 24.9440, 3.0035



39.3756, 38.9287, 8.0236



11.9999, 12.1904, 12.3326



16.7867, 9.5065, 0.9502



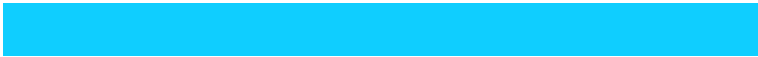
0.9962, 0.6467, 0.0723

Inverse Universe

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



28.1591, 36.2319, 65.8305



40.4344, 51.6890, 102.4536



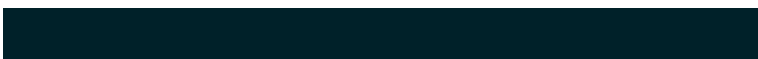
16.7186, 13.3508, 62.0169



11.9466, 12.9835, 15.1201



15.6513, 19.9493, 40.2182



0.9279, 1.2209, 2.2663

Previews

White Background



This preview shows how the XYZ color 29.5836, 19.3445, 4.7594 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 29.5836, 19.3445, 4.7594 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 29.5836, 19.3445, 4.7594

Background



This preview shows how black text looks on a background with the XYZ color 29.5836, 19.3445, 4.7594.



This preview shows how white text looks on a background with the XYZ color 29.5836, 19.3445,

4.7594.

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

29.5836, 19.3445, 4.7594

Protanopia

17.7406, 19.3857, 6.9445

Deuteranopia

19.7007, 19.3905, 4.3735



Tritanopia

30.5057, 19.2983, 9.5143

Trichromacy



Original Color

29.5836, 19.3445, 4.7594

Protanomaly

20.7202, 18.2558, 5.9217

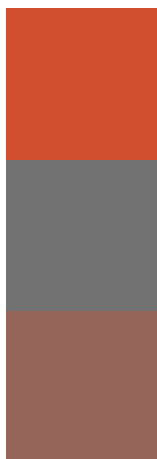
Deuteranomaly

22.4668, 18.7379, 4.4401

Tritanomaly

30.1759, 19.2758, 7.4403

Monochromacy



Original Color

29.5836, 19.3445, 4.7594

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.8513, 16.4182, 11.6267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5836, 19.3445, 4.7594 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, 79, 46)` looks like.

```
.text, #text, p{  
    color:rgb(209, 79, 46)  
}
```

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, 79, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 79, 46) }
```

Border

The CSS property to change the border of an element to XYZ 29.5836, 19.3445, 4.7594 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, 79, 46) }
```


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

```
.border{ border-color:rgb(209, 79, 46) }
```

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

Here you see how a box with a 4 pixel rgb(209, 79, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 79, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 79, 46);  
box-shadow:4px 4px 4px 4px rgb(209, 79,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5836, 19.3445, 4.7594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 79, 46) }
```

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

```
.background{ background-color: rgb(209, 79,  
46) }
```

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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