

Converting Colors

XYZ(29.9256, 18.4475, 4.1740)

Have a look what the booklet for
XYZ(29.9256, 18.4475, 4.1740)
contains.

XYZ(29.9256, 18.4475, 4.1740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9256, 18.4475,
4.1740)**

Conversions

Conversions Part 1

Format	Color
Hex	D5442A
RGB	213, 68, 42
RGB Percent	84%, 27%, 16%
CMY	0.1647, 0.7333, 0.8353
CMYK	0.00, 0.68, 0.80, 0.16
HSL	9°, 67%, 50%
HSV	9°, 80%, 84%
XYZ	29.9256, 18.4475, 4.1740
YIQ	108.3910, 94.7660, 22.6540

Conversions

Conversions Part 2

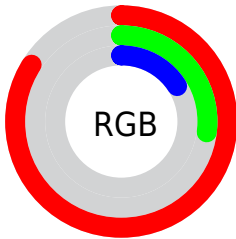
Format	Color
RYB	213, 73, 42
Decimal	13976618
CIELab	50.03, 55.52, 46.42
CIElCh	50, 72.366, 39.897
Yxy	18.4475, 0.5695, 0.3511
Android (android.graphics.Color)	4292166698 (0xFFD5442A)
YUV	108.3910, -32.7308, 91.7421
Hunter-Lab	42.9506, 49.2056, 24.3035

Details

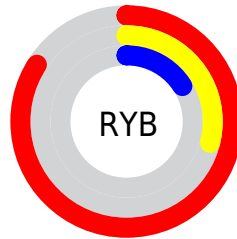
The XYZ color **29.9256, 18.4475, 4.1740** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **30.7336, 40.8333, 69.2121**, and the grayscale version is **14.4353, 15.1871, 16.5387**.

A 20% lighter version of the original color is **50.2931, 36.4135, 14.0506**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.7114, 16.4759, 2.3620**, and if you desaturate by 10%, it is **31.6794, 21.1750, 7.1644**.

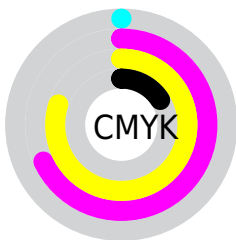
Distribution



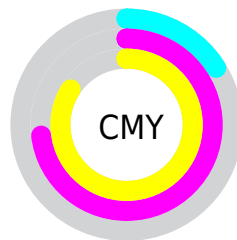
- Red (84%)
- Green (27%)
- Blue (16%)



- Red (84%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9256, 18.4475, 4.1740 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 29.9256, 18.4475, 4.1740 by changing the saturation by 10% instead.


 29.9256, 18.4475,
4.1740


 29.9256, 18.4475,
4.1740


293.4736,
243.3814, 150.1402


 19.9299, 11.2717,
1.7213


 58.9319, 40.7984,
14.4091

 12.4521, 6.2499,
0.3753


 78.6733, 56.7423,
23.0286

 7.1267, 2.9976,
0.0000


 102.3939, 76.3778,
34.5407

 3.5885, 1.1305,
0.0000

 130.4592,
100.0891, 49.3640

 1.4721, 0.0038,
0.0000

 163.2344,
128.2607, 67.9171

 0.3067, 0.0000,
0.0000

 201.0850,

 0.0000, 0.0000,

161.2771, 90.6185

0.0000

244.3762,
199.5225, 117.8866

■ 29.9256, 18.4475,
4.1740

■ 29.9256, 18.4475,
4.1740

■ 28.7114, 16.4759,
2.3620

■ 31.6794, 21.1750,
7.1644

■ 27.9676, 15.2005,
1.4599

■ 34.0277, 24.7224,
11.4900

■ 37.0197, 29.1504,
17.2842

■ 40.6990, 34.5131,
24.6641

■ 45.1054, 40.8600,
33.7349

■ 50.2755, 48.2373,
44.5925

■ 56.2435, 56.6881,
57.3261

■ 63.0413, 66.2531,
72.0183

■ 70.6995, 76.9709,
88.7474

Harmonies

Analogous

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



34.2837, 18.4475, 14.1962



29.9256, 18.4475, 4.1740



22.5439, 18.4475, 1.3157

Triad

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



29.9256, 18.4475, 4.1740



7.7348, 18.4475, 9.5882



19.9343, 18.4475, 86.3743

Complementary

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



29.9256, 18.4475, 4.1740



30.7336, 40.8333, 69.2121

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.



13.3271, 18.4475, 81.7941



29.9256, 18.4475, 4.1740



7.3834, 18.4475, 27.4144

Square

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



29.9256, 18.4475, 4.1740



10.2787, 18.4475, 2.7015



9.1447, 18.4475, 56.0293



27.5866, 18.4475, 66.1295

Rectangle

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



29.9256, 18.4475, 4.1740



17.5579, 18.4475, 0.9718



9.1447, 18.4475, 56.0293



17.5097, 18.4475, 87.8900

Sweetspot

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



29.9260, 18.4486, 4.1743



72.3367, 67.9091, 60.2165



37.2755, 19.4049, 48.9911



14.8914, 13.6906, 11.6481



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.



29.9260, 18.4486, 4.1743



42.3298, 23.3502, 2.5689



39.2741, 37.1448, 7.2903



12.5742, 12.7226, 12.9537



17.1310, 9.3792, 0.9075



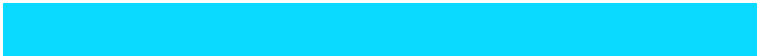
1.0826, 0.6643, 0.0712

Inverse Universe

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



30.7336, 40.8333, 69.2121



43.1887, 57.3080, 103.3930



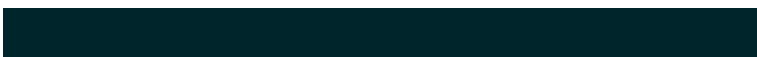
17.7018, 14.7698, 64.8682



12.6238, 13.7710, 15.9302



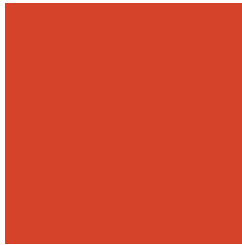
17.4411, 23.1440, 42.0012



1.0965, 1.4850, 2.5482

Previews

White Background



This preview shows how the XYZ color 29.9256, 18.4475, 4.1740 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 29.9256, 18.4475, 4.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

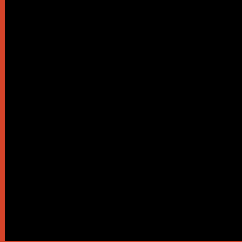
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9256, 18.4475, 4.1740

Background



This preview shows how black text looks on a background with the XYZ color 29.9256, 18.4475, 4.1740.



This preview shows how white text looks on a background with the XYZ color 29.9256, 18.4475,

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

29.9256, 18.4475, 4.1740

Protanopia

17.1031, 18.7050, 6.4504

Deuteranopia

19.0016, 18.7026, 3.7709



Tritanopia

30.6652, 18.4941, 7.4223

Trichromacy



Original Color

29.9256, 18.4475, 4.1740

Protanomaly

20.1515, 17.2278, 5.3952

Deuteranomaly

22.0190, 17.6636, 3.7623

Tritanomaly

30.4692, 18.5083, 6.1042

Monochromacy



Original Color

29.9256, 18.4475, 4.1740

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.3686, 14.5798, 10.2863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9256, 18.4475, 4.1740 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(213, 68, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 68, 42)  
}
```

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(213, 68, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 68, 42) }
```

Border

The CSS property to change the border of an element to XYZ 29.9256, 18.4475, 4.1740 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(213, 68, 42) }
```


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

```
.border{ border-color:rgb(213, 68, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 68, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 68, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 68, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 68,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9256, 18.4475, 4.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 68, 42) }
```

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

```
.background{ background-color: rgb(213, 68,  
42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor