

Converting Colors

XYZ(30.8347, 19.3560, 4.0969)

Have a look what the booklet for
XYZ(30.8347, 19.3560, 4.0969)
contains.

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Color

**XYZ(30.7899, 19.3654,
4.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	D74928
RGB	215, 73, 40
RGB Percent	84%, 29%, 16%
CMY	0.1569, 0.7137, 0.8431
CMYK	0.00, 0.66, 0.81, 0.16
HSL	11°, 69%, 50%
HSV	11°, 81%, 84%
XYZ	30.7899, 19.3654, 4.1226
YIQ	111.6960, 95.2250, 19.8410

Conversions

Conversions Part 2

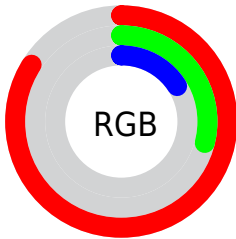
Format	Color
RYB	215, 81, 40
Decimal	14108968
CIELab	51.11, 54.12, 48.55
CIELCh	51, 72.706, 41.897
Yxy	19.3654, 0.5673, 0.3568
Android (android.graphics.Color)	4292299048 (0xFFD74928)
YUV	111.6960, -35.3461, 90.5976
Hunter-Lab	44.0061, 47.8809, 25.2499

Details

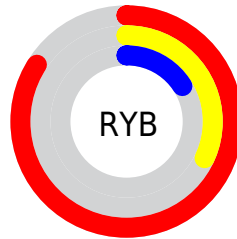
The XYZ color **30.7899, 19.3654, 4.1226** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.8669, 38.8097, 70.2064**, and the grayscale version is **15.3938, 16.1954, 17.6368**.

A 20% lighter version of the original color is **50.7206, 37.4029, 13.7787**, and **12.9706, 6.7188, 0.6132** is the 20% darker color. If you saturate the color by 10%, you get **29.5306, 17.2787, 2.3727**, and if you desaturate by 10%, it is **32.5746, 22.1785, 7.0500**.

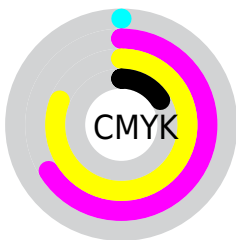
Distribution



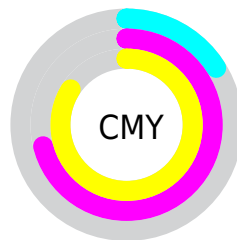
- Red (84%)
- Green (29%)
- Blue (16%)



- Red (84%)
- Yellow (32%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (71%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7899, 19.3654, 4.1226 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 30.7899, 19.3654, 4.1226 by changing the saturation by 10% instead.


 30.7899, 19.3654,
4.1226


 30.7899, 19.3654,
4.1226


297.4134,
248.4586, 149.5785


 20.5900, 11.9346,
1.6928


 60.2872, 42.3506,
14.2915

 12.9354, 6.6992,
0.3558


 80.3153, 58.6739,
22.8678


 7.4607, 3.2747,
0.0000


 104.3502, 78.7300,
34.3300

 3.8008, 1.2768,
0.0000

 132.7572,
102.9035, 49.0966

 1.5900, 0.1231,
0.0000

 165.9016,
131.5787, 67.5862

 0.3859, 0.0000,
0.0000

 204.1489,

 0.0000, 0.0000,

165.1400, 90.2174

0.0000

247.8644,
203.9719, 117.4086

■ 30.7899, 19.3654,
4.1226

■ 30.7899, 19.3654,
4.1226

■ 29.5306, 17.2787,
2.3727

■ 32.5746, 22.1785,
7.0500


■ 28.8017, 16.0021,
1.5707

■ 34.9374, 25.7753,
11.3176


■ 37.9255, 30.2110,
17.0630


■ 41.5808, 35.5347,
24.4064

■ 45.9412, 41.7917,
33.4556

 51.0419, 49.0241,
44.3090

 56.9157, 57.2715,
57.0575

 63.5932, 66.5712,
71.7858

 71.1037, 76.9586,
88.5734

Harmonies

Analogous

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



35.6004, 19.3654, 13.9075



30.7899, 19.3654, 4.1226



23.0643, 19.3654, 1.3776

Triad

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



30.7899, 19.3654, 4.1226



8.1152, 19.3654, 10.9894



21.4180, 19.3654, 88.7933

Complementary

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



30.7899, 19.3654, 4.1226



29.8669, 38.8097, 70.2064

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.



14.4217, 19.3654, 85.9201



30.7899, 19.3654, 4.1226



7.8920, 19.3654, 30.3864

Square

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



30.7899, 19.3654, 4.1226



10.6068, 19.3654, 3.1801



9.8879, 19.3654, 60.3231



29.3167, 19.3654, 66.6661

Rectangle

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



30.7899, 19.3654, 4.1226



17.9507, 19.3654, 1.0855



9.8879, 19.3654, 60.3231



18.8694, 19.3654, 90.9805

Sweetspot

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



30.7903, 19.3665, 4.1229



72.8688, 68.9733, 60.3938



37.3215, 19.3801, 46.5278



15.0159, 13.9396, 11.6896



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.



30.7903, 19.3665, 4.1229



42.5065, 23.7483, 2.4900



40.9058, 39.5976, 7.4947



12.6109, 12.7960, 12.9659



17.2845, 9.6863, 0.9587



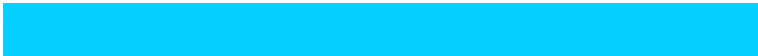
1.0998, 0.6987, 0.0769

Inverse Universe

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



29.8669, 38.8097, 70.2064



40.6365, 52.2982, 102.5605



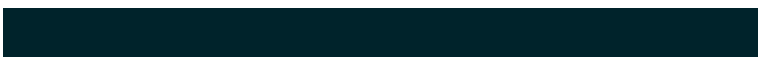
17.2707, 13.6172, 66.0076



12.5838, 13.6911, 15.9169



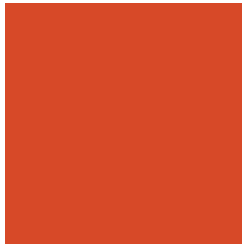
16.5147, 21.2911, 41.6923



1.0486, 1.3893, 2.5322

Previews

White Background



This preview shows how the XYZ color 30.7899, 19.3654, 4.1226 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 30.7899, 19.3654, 4.1226 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 30.7899, 19.3654, 4.1226

Background



This preview shows how black text looks on a background with the XYZ color 30.7899, 19.3654, 4.1226.



This preview shows how white text looks on a background with the XYZ color 30.7899, 19.3654,

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

30.7899, 19.3654, 4.1226

Protanopia

17.8789, 19.6572, 6.2201

Deuteranopia

19.7583, 19.4354, 3.6873



Tritanopia

31.6496, 19.3362, 8.3675

Trichromacy



Original Color

30.7899, 19.3654, 4.1226

Protanomaly

21.1021, 18.3159, 5.2194

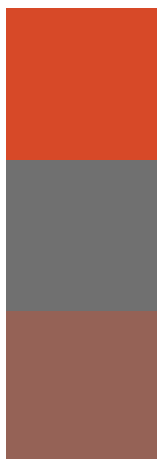
Deuteranomaly

22.7090, 18.4434, 3.6594

Tritanomaly

31.3514, 19.3162, 6.4909

Monochromacy



Original Color

30.7899, 19.3654, 4.1226

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.4418, 15.7968, 10.8812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7899, 19.3654, 4.1226 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(215, 73, 40)` looks like.

```
.text, #text, p{  
    color:rgb(215, 73, 40)  
}
```

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(215, 73, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 73, 40) }
```

Border

The CSS property to change the border of an element to XYZ 30.7899, 19.3654, 4.1226 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(215, 73, 40) }
```


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

```
.border{ border-color:rgb(215, 73, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 73, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 73, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 73, 40);  
box-shadow:4px 4px 4px 4px rgb(215, 73,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7899, 19.3654, 4.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 73, 40) }
```

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

```
.background{ background-color: rgb(215, 73,  
40) }
```

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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