

Converting Colors

XYZ(29.8491, 19.3223, 2.3861)

Have a look what the booklet for
XYZ(29.8491, 19.3223, 2.3861)
contains.

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Color

**XYZ(29.8491, 19.3223,
2.3861)**

Conversions

Conversions Part 1

Format	Color
Hex	D44D08
RGB	212, 77, 8
RGB Percent	83%, 30%, 3%
CMY	0.1686, 0.6980, 0.9686
CMYK	0.00, 0.64, 0.96, 0.17
HSL	20°, 93%, 43%
HSV	20°, 96%, 83%
XYZ	29.8491, 19.3223, 2.3861
YIQ	109.4990, 102.6090, 7.1610

Conversions

Conversions Part 2

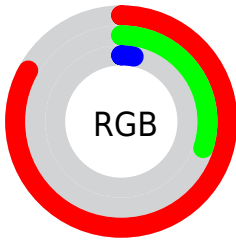
Format	Color
R _{YB}	212, 112, 8
Decimal	13913352
CIE Lab	51.06, 50.80, 59.66
CIE LCh	51, 78.355, 49.584
Yxy	19.3223, 0.5789, 0.3748
Android (android.graphics.Color)	4292103432 (0xFFD44D08)
YUV	109.4990, -50.0390, 89.8934
Hunter-Lab	43.9571, 44.2855, 27.5516

Details

The XYZ color **29.8491, 19.3223, 2.3861** 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 **21.8055, 24.4486, 65.8567**, and the grayscale version is **14.7965, 15.5671, 16.9526**.

A 20% lighter version of the original color is **50.3104, 37.8743, 9.6598**, and **12.5797, 6.7601, 0.6418** is the 20% darker color. If you saturate the color by 10%, you get **29.4500, 18.5945, 2.0369**, and if you desaturate by 10%, it is **31.1198, 21.5752, 3.6999**.

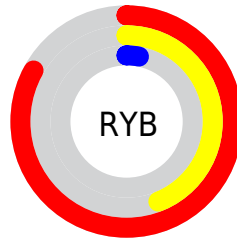
Distribution



Red (83%)

Green (30%)

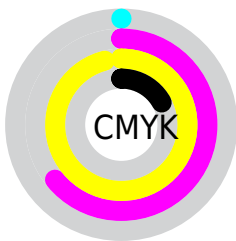
Blue (3%)



Red (83%)

Yellow (44%)

Blue (3%)

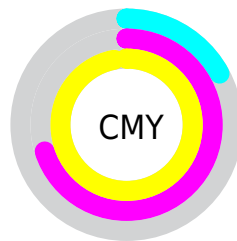


Cyan (0%)

Magenta (64%)

Yellow (96%)

Black (17%)



Cyan (17%)


Magenta (70%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8491, 19.3223, 2.3861 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 29.8491, 19.3223, 2.3861 by changing the saturation by 10% instead.


 29.8491, 19.3223,
2.3861

 29.8491, 19.3223,
2.3861


293.1229,
248.2223, 128.1103


 19.8716, 11.9034,
0.7789


 58.8117, 42.2780,
10.0718

 12.4095, 6.6779,
0.0000


 78.5275, 58.5836,
16.9989


 7.0974, 3.2615,
0.0000


 102.2202, 78.6202,
26.5403

 3.5699, 1.2697,
0.0000

 130.2550,
102.7722, 39.1146

 1.4618, 0.1176,
0.0000

 162.9973,
131.4240, 55.1401

 0.2996, 0.0000,
0.0000


 200.8125,


 0.0000, 0.0000,


164.9601, 75.0356


0.0000


 244.0659,
203.7647, 99.2194


 29.8491, 19.3223,
2.3861


 29.8491, 19.3223,
2.3861


 29.4500, 18.5945,
2.0369

 31.1198, 21.5752,
3.6999

 32.7940, 24.3473,
6.0346

 34.9161, 27.6759,
9.5651

 37.5228, 31.5927,
14.4308

 40.6461, 36.1268,
20.7517

■ 44.3153, 41.3050,
28.6340

■ 48.5571, 47.1526,
38.1742

■ 53.3963, 53.6933,
49.4608

■ 58.8564, 60.9496,
62.5759

Harmonies

Analogous

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



36.3353, 19.3223, 9.7119



29.8491, 19.3223, 2.3861



21.1997, 19.3223, 0.7673

Triad

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



29.8491, 19.3223, 2.3861



7.2447, 19.3223, 14.2148



23.8399, 19.3223, 92.5400

Complementary

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



29.8491, 19.3223, 2.3861



21.8055, 24.4486, 65.8567

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.



15.7954, 19.3223, 97.3724



29.8491, 19.3223, 2.3861



7.5821, 19.3223, 38.8788

Square

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



29.8491, 19.3223, 2.3861



9.1798, 19.3223, 3.7076



10.2847, 19.3223, 73.2949



32.2441, 19.3223, 62.7362

Rectangle

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



29.8491, 19.3223, 2.3861



15.9892, 19.3223, 0.7535



10.2847, 19.3223, 73.2949



20.9658, 19.3223, 97.6719

Sweetspot

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



29.8495, 19.3234, 2.3864



71.6725, 68.7720, 53.2397



32.2722, 16.1844, 27.8089



14.7484, 13.9029, 10.0645



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.



29.8495, 19.3234, 2.3864



44.5884, 27.9567, 3.0461



43.1155, 45.8554, 6.8084



12.7632, 13.1005, 13.0167



18.2645, 11.6463, 1.2853



1.1771, 0.8534, 0.1027

Inverse Universe

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



21.8055, 24.4486, 65.8567



32.1902, 35.5003, 99.7634



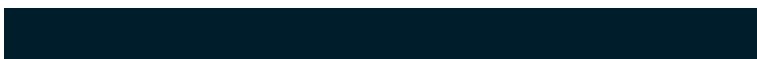
12.8119, 6.4613, 62.8588



12.4220, 13.3673, 15.8630



13.2480, 14.7577, 40.6034



0.8742, 1.0404, 2.4741

Previews

White Background



This preview shows how the XYZ color 29.8491, 19.3223, 2.3861 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 29.8491, 19.3223, 2.3861 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 29.8491, 19.3223, 2.3861

Background



This preview shows how black text looks on a background with the XYZ color 29.8491, 19.3223, 2.3861.



This preview shows how white text looks on a background with the XYZ color 29.8491, 19.3223,

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

29.8491, 19.3223, 2.3861

Protanopia

17.7188, 19.6311, 3.6659

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

31.3534, 19.4527, 8.9397

Trichromacy



Original Color

29.8491, 19.3223, 2.3861

Protanomaly

20.7803, 18.3511, 3.0191

Deuteranomaly

22.4470, 18.6233, 2.4977

Tritanomaly

30.4869, 19.2827, 5.2471

Monochromacy



Original Color

29.8491, 19.3223, 2.3861

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.6029, 15.4194, 8.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8491, 19.3223, 2.3861 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(212, 77, 8)` looks like.

```
.text, #text, p{  
    color:rgb(212, 77, 8)  
}
```

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(212, 77, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 77, 8) }
```

Border

The CSS property to change the border of an element to XYZ 29.8491, 19.3223, 2.3861 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(212, 77, 8) }
```


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

```
.border{ border-color:rgb(212, 77, 8) }
```

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

Here you see how a box with a 4 pixel rgb(212, 77, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 77, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 77, 8);  
box-shadow:4px 4px 4px 4px rgb(212, 77, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8491, 19.3223, 2.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 77, 8) }
```

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

```
.background{ background-color: rgb(212, 77,  
8) }
```

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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