

Converting Colors

XYZ(30.7425, 18.3573, 11.5461)

Have a look what the booklet for
XYZ(30.7425, 18.3573, 11.5461)
contains.

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Color

**XYZ(30.8302, 18.4020,
11.5999)**

Conversions

Conversions Part 1

Format	Color
Hex	D4405A
RGB	212, 64, 90
RGB Percent	83%, 25%, 35%
CMY	0.1686, 0.7490, 0.6471
CMYK	0.00, 0.70, 0.58, 0.17
HSL	349°, 63%, 54%
HSV	349°, 70%, 83%
XYZ	30.8302, 18.4020, 11.5999
YIQ	111.2160, 79.8620, 39.4620

Conversions

Conversions Part 2

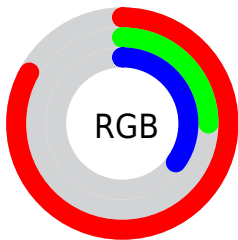
Format	Color
RYB	212, 64, 90
Decimal	13910106
CIELab	49.98, 59.15, 18.95
CIElCh	50, 62.108, 17.762
Yxy	18.4020, 0.5068, 0.3025
Android (android.graphics.Color)	4292100186 (0xFFD4405A)
YUV	111.2160, -10.4595, 88.3876
Hunter-Lab	42.8976, 53.2161, 13.9957

Details

The XYZ color **30.8302, 18.4020, 11.5999** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **34.5222, 51.7225, 54.6231**, and the grayscale version is **15.1864, 15.9773, 17.3992**.

A 20% lighter version of the original color is **52.8110, 36.8282, 29.1360**, and **13.2362, 6.7688, 3.0915** is the 20% darker color. If you saturate the color by 10%, you get **29.1951, 16.1857, 7.8063**, and if you desaturate by 10%, it is **33.0953, 21.5986, 16.4666**.

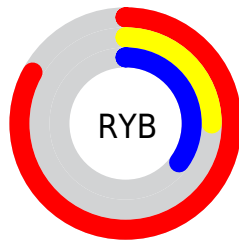
Distribution



Red (83%)

Green (25%)

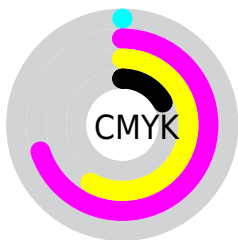
Blue (35%)



Red (83%)

Yellow (25%)

Blue (35%)

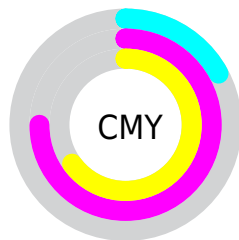


Cyan (0%)

Magenta (70%)

Yellow (58%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8302, 18.4020, 11.5999 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 30.8302, 18.4020, 11.5999 by changing the saturation by 10% instead.


 30.8302, 18.4020,
11.5999


 30.8302, 18.4020,
11.5999


297.5962,
243.1273, 212.6213


 20.6208, 11.2390,
6.3526


 60.3503, 40.7211,
29.4177


 12.9580, 6.2278,
2.9884


 80.3917, 56.6461,
42.8253


 7.4764, 2.9841,
1.0887


 104.4411, 76.2604,
59.7901

 3.8107, 1.1234,
0.0000

 132.8639, 99.9486,
80.7307

 1.5956, 0.0000,
0.0000

 166.0255,
128.0949, 106.0656

 0.3896, 0.0000,
0.0000

204.2911,

 0.0000, 0.0000,

161.0839, 136.2133

0.0000

248.0262,
199.2999, 171.5923

■ 30.8302, 18.4020,
11.5999

■ 30.8302, 18.4020,
11.5999

■ 29.1951, 16.1857,
7.8063

■ 33.0953, 21.5986,
16.4666

■ 28.1214, 14.8323,
5.0011

■ 36.0463, 25.8692,
22.4800


■ 27.4986, 14.1430,
3.0782


■ 39.7345, 31.2996,
29.7082

■ 27.4888, 14.1320,
3.0484


■ 44.2056, 37.9665,
38.2136

■ 49.5019, 45.9396,
48.0541

 55.6623, 55.2838,
59.2843

 62.7234, 66.0594,
71.9556

 70.7197, 78.3231,
86.1166

 79.6838, 92.1287,
101.8139

Harmonies

Analogous

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



31.2492, 18.4020, 27.8290



30.8302, 18.4020, 11.5999



26.3795, 18.4020, 4.2375

Triad

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



30.8302, 18.4020, 11.5999



10.3045, 18.4020, 5.0820



15.1723, 18.4020, 72.2642

Complementary

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



30.8302, 18.4020, 11.5999



34.5222, 51.7225, 54.6231

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.



10.8632, 18.4020, 55.4780



30.8302, 18.4020, 11.5999



8.5119, 18.4020, 13.8543

Square

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



30.8302, 18.4020, 11.5999



14.2225, 18.4020, 2.2168



8.6900, 18.4020, 31.8084



21.2244, 18.4020, 70.3559

Rectangle

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



30.8302, 18.4020, 11.5999



22.1955, 18.4020, 2.4250



8.6900, 18.4020, 31.8084



13.5024, 18.4020, 68.3504

Sweetspot

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



30.8307, 18.4031, 11.6002



73.9714, 67.9393, 70.7475



33.6933, 18.7192, 64.1243



15.3357, 13.7920, 14.2231



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.



30.8307, 18.4031, 11.6002



43.4163, 23.3882, 9.5128



33.7475, 25.7085, 8.0355



12.5114, 12.4561, 13.3673



16.9963, 8.7349, 2.0189



1.0527, 0.5379, 0.2670

Inverse Universe

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



30.8307, 18.4031, 11.6002



43.4163, 23.3882, 9.5128



27.4783, 32.8031, 67.1704



12.5114, 12.4561, 13.3673



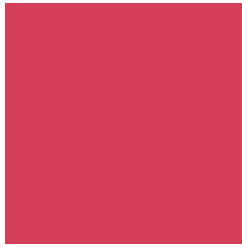
16.9963, 8.7349, 2.0189



1.0527, 0.5379, 0.2670

Previews

White Background



This preview shows how the XYZ color 30.8302, 18.4020, 11.5999 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 30.8302, 18.4020, 11.5999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

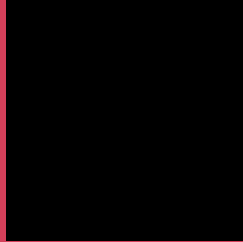
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8302, 18.4020, 11.5999

Background



This preview shows how black text looks on a background with the XYZ color 30.8302, 18.4020, 11.5999.



This preview shows how white text looks on a background with the XYZ color 30.8302, 18.4020,

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

30.8302, 18.4020, 11.5999

Protanopia

17.7753, 18.5922, 19.1748

Deuteranopia

18.9063, 18.4988, 10.7578



Tritanopia

30.0684, 18.4381, 7.9354

Trichromacy



Original Color

30.8302, 18.4020, 11.5999

Protanomaly

20.6333, 16.9538, 16.0948

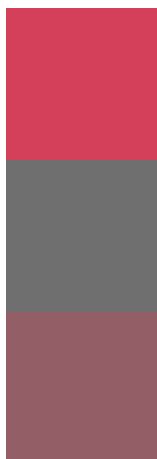
Deuteranomaly

22.0110, 17.3625, 10.9953

Tritanomaly

30.2463, 18.4133, 9.1677

Monochromacy



Original Color

30.8302, 18.4020, 11.5999

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.6636, 15.2806, 14.7977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8302, 18.4020, 11.5999 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, 64, 90)` looks like.

```
.text, #text, p{  
    color:rgb(212, 64, 90)  
}
```

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, 64, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 64, 90) }
```

Border

The CSS property to change the border of an element to XYZ 30.8302, 18.4020, 11.5999 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, 64, 90) }
```


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

```
.border{ border-color:rgb(212, 64, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 64, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 64, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 64, 90);  
box-shadow:4px 4px 4px 4px rgb(212, 64,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8302, 18.4020, 11.5999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 64, 90) }
```

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

```
.background{ background-color: rgb(212, 64,  
90) }
```

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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