

Converting Colors

XYZ(31.9118, 18.8244, 15.6302)

Have a look what the booklet for
XYZ(31.9118, 18.8244, 15.6302)
contains.

XYZ(31.8196, 18.7418, 15.5761)	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(31.8196, 18.7418,
15.5761)**

Conversions

Conversions Part 1

Format	Color
Hex	D53F6A
RGB	213, 63, 106
RGB Percent	84%, 25%, 42%
CMY	0.1647, 0.7529, 0.5843
CMYK	0.00, 0.70, 0.50, 0.16
HSL	343°, 64%, 54%
HSV	343°, 70%, 84%
XYZ	31.8196, 18.7418, 15.5761
YIQ	112.7520, 75.5970, 45.1730

Conversions

Conversions Part 2

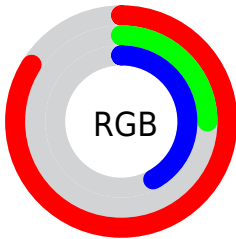
Format	Color
R_{YB}	213, 63, 106
Decimal	13975402
CIE _{Lab}	50.38, 61.04, 9.86
CIE _{LCh}	50, 61.834, 9.171
Yxy	18.7418, 0.4811, 0.2834
Android (android.graphics.Color)	4292165482 (0xFFD53F6A)
YUV	112.7520, -3.3287, 87.9175
Hunter-Lab	43.2918, 55.4374, 8.9721

Details

The XYZ color **31.8196, 18.7418, 15.5761** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **33.1013, 51.5481, 46.2401**, and the grayscale version is **15.6177, 16.4310, 17.8933**.

A 20% lighter version of the original color is **54.1632, 37.3691, 36.2565**, and **13.9263, 7.0881, 4.7718** is the 20% darker color. If you saturate the color by 10%, you get **30.1381, 16.5335, 11.4564**, and if you desaturate by 10%, it is **34.0981, 21.9203, 20.5859**.

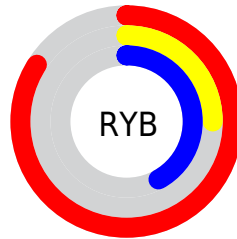
Distribution



Red (84%)

Green (25%)

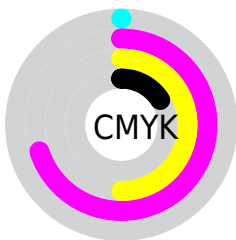
Blue (42%)



Red (84%)

Yellow (25%)

Blue (42%)

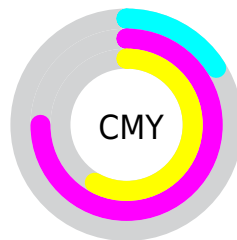


Cyan (0%)

Magenta (70%)

Yellow (50%)

Black (16%)



Cyan (16%)


Magenta (75%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8196, 18.7418, 15.5761 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 31.8196, 18.7418, 15.5761 by changing the saturation by 10% instead.


 31.8196, 18.7418,
15.5761


 31.8196, 18.7418,
15.5761


302.0566,
245.0196, 238.5869


 21.3786, 11.4839,
9.0736


 61.8953, 41.2973,
36.6172


 13.5151, 6.3933,
4.6918


 82.2607, 57.3637,
51.9929


 7.8636, 3.0857,
2.0120


 106.6650, 77.1351,
71.1634

 4.0589, 1.1766,
0.5626

 135.4734,
100.9957, 94.5472

 1.7355, 0.0425,
0.0000

 169.0515,
129.3301, 122.5630

 0.4783, 0.0000,
0.0000

207.7644,

 0.0000, 0.0000,

162.5226, 155.6291

0.0000

251.9777,
200.9577, 194.1643

■ 31.8196, 18.7418,
15.5761

■ 31.8196, 18.7418,
15.5761

■ 30.1381, 16.5335,
11.4564

■ 34.0981, 21.9203,
20.5859

■ 28.9889, 15.1774,
8.1683

■ 37.0262, 26.1627,
26.5367

■ 28.2841, 14.4835,
5.7268

■ 40.6518, 31.5551,
33.4761

■ 45.0181, 38.1738,
41.4483

■ 50.1645, 46.0886,
50.4945

■ 56.1274, 55.3639,
60.6537

■ 62.9413, 66.0600,
71.9626

■ 70.6382, 78.2334,
84.4565

■ 79.2487, 91.9375,
98.1690

Harmonies

Analogous

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



30.9342, 18.7418, 34.5710



31.8196, 18.7418, 15.5761



28.3504, 18.7418, 5.8338

Triad

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



31.8196, 18.7418, 15.5761



11.4694, 18.7418, 4.0056



14.0146, 18.7418, 69.5554

Complementary

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



31.8196, 18.7418, 15.5761



33.1013, 51.5481, 46.2401

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.



10.2766, 18.7418, 49.2372



31.8196, 18.7418, 15.5761



9.0531, 18.7418, 10.7607

Square

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



31.8196, 18.7418, 15.5761



16.0356, 18.7418, 2.0738



8.6719, 18.7418, 26.1450



19.7183, 18.7418, 73.5682

Rectangle

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



31.8196, 18.7418, 15.5761



24.4115, 18.7418, 3.1440



8.6719, 18.7418, 26.1450



12.5264, 18.7418, 64.0202

Sweetspot

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



31.8201, 18.7429, 15.5764



74.7299, 68.2427, 74.7418



29.9373, 16.6854, 64.5933



15.5133, 13.8630, 15.1585



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.



31.8201, 18.7429, 15.5764



44.2596, 23.5896, 14.3725



32.2530, 22.3352, 7.3154



12.5682, 12.4788, 13.6662



17.3157, 8.8626, 3.7003



1.0800, 0.5488, 0.4106

Inverse Universe

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



31.8201, 18.7429, 15.5764



44.2596, 23.5896, 14.3725



30.9946, 39.7289, 68.9854



12.5682, 12.4788, 13.6662



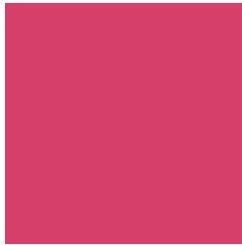
17.3157, 8.8626, 3.7003



1.0800, 0.5488, 0.4106

Previews

White Background



This preview shows how the XYZ color 31.8196, 18.7418, 15.5761 looks on a white background.

Color Contrast Check

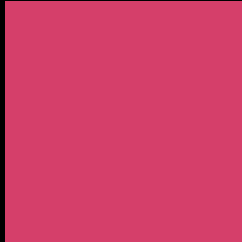
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8196, 18.7418, 15.5761 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 31.8196, 18.7418, 15.5761

Background



This preview shows how black text looks on a background with the XYZ color 31.8196, 18.7418, 15.5761.



This preview shows how white text looks on a background with the XYZ color 31.8196, 18.7418,

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

31.8196, 18.7418, 15.5761

Protanopia

18.7030, 19.0906, 26.3660

Deuteranopia

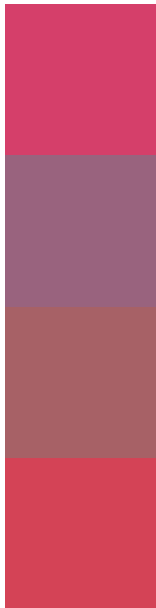
19.3127, 18.9671, 14.4475



Tritanopia

30.2902, 18.7236, 8.4961

Trichromacy



Original Color

31.8196, 18.7418, 15.5761

Protanomaly

21.3646, 17.2023, 21.9330

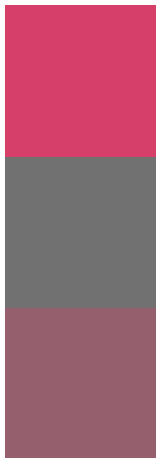
Deuteranomaly

22.6093, 17.7242, 14.7998

Tritanomaly

30.8382, 18.6832, 10.7850

Monochromacy



Original Color

31.8196, 18.7418, 15.5761

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.3011, 15.6998, 16.7649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8196, 18.7418, 15.5761 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, 63, 106)` looks like.

```
.text, #text, p{  
    color:rgb(213, 63, 106)  
}
```

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, 63, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 63, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.8196, 18.7418, 15.5761 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, 63, 106) }
```


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

```
.border{ border-color:rgb(213, 63, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 63, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 63, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 63, 106);  
box-shadow:4px 4px 4px 4px rgb(213, 63,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8196, 18.7418, 15.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 63, 106) }
```

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

```
.background{ background-color: rgb(213, 63,  
106) }
```

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