

Converting Colors

XYZ(31.2973, 19.5701, 11.5246)

Have a look what the booklet for
XYZ(31.2973, 19.5701, 11.5246)
contains.

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Color

**XYZ(31.4033, 19.6159,
11.5823)**

Conversions

Conversions Part 1

Format	Color
Hex	D44A59
RGB	212, 74, 89
RGB Percent	83%, 29%, 35%
CMY	0.1686, 0.7098, 0.6510
CMYK	0.00, 0.65, 0.58, 0.17
HSL	353°, 62%, 56%
HSV	353°, 65%, 83%
XYZ	31.4033, 19.6159, 11.5823
YIQ	116.9720, 77.4330, 33.9210

Conversions

Conversions Part 2

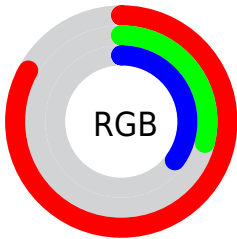
Format	Color
RYB	212, 74, 89
Decimal	13912665
CIELab	51.40, 55.14, 21.44
CIElCh	51, 59.165, 21.250
Yxy	19.6159, 0.5016, 0.3133
Android (android.graphics.Color)	4292102745 (0xFFD44A59)
YUV	116.9720, -13.7902, 83.3396
Hunter-Lab	44.2898, 49.0565, 15.4979

Details

The XYZ color **31.4033, 19.6159, 11.5823** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **36.4470, 52.5744, 61.0550**, and the grayscale version is **16.9254, 17.8068, 19.3917**.

A 20% lighter version of the original color is **53.7505, 38.8246, 29.0870**, and **13.2388, 6.8046, 2.9985** is the 20% darker color. If you saturate the color by 10%, you get **29.5244, 16.9693, 7.5308**, and if you desaturate by 10%, it is **33.9636, 23.2996, 16.8659**.

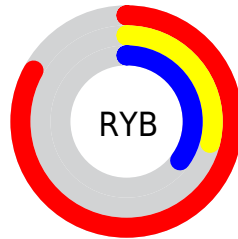
Distribution



Red (83%)

Green (29%)

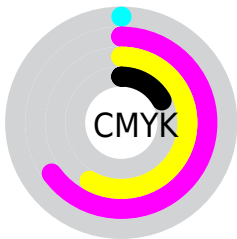
Blue (35%)



Red (83%)

Yellow (29%)

Blue (35%)

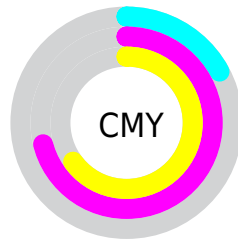


Cyan (0%)

Magenta (65%)

Yellow (58%)

Black (17%)



Cyan (17%)


Magenta (71%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4033, 19.6159, 11.5823 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 31.4033, 19.6159, 11.5823 by changing the saturation by 10% instead.


 31.4033, 19.6159,
11.5823


 31.4033, 19.6159,
11.5823


300.1858,
249.8281, 212.4989


 21.0595, 12.1162,
6.3409


 61.2460, 42.7723,
29.3850

 13.2802, 6.8228,
2.9813


 81.4756, 59.1977,
42.7833


 7.7001, 3.3515,
1.0851


 105.7311, 79.3671,
59.7376

 3.9538, 1.3179,
0.0000

 134.3780,
103.6649, 80.6665

 1.6761, 0.1550,
0.0000

 167.7816,
132.4755, 105.9886

 0.4412, 0.0000,
0.0000

206.3072,

 0.0000, 0.0000,

166.1833, 136.1223

0.0000

250.3201,
205.1727, 171.4862

■ 31.4033, 19.6159,
11.5823

■ 31.4033, 19.6159,
11.5823

■ 29.5244, 16.9693,
7.5308

■ 33.9636, 23.2996,
16.8659

■ 28.2594, 15.2499,
4.6101

■ 37.2612, 28.1092,
23.4701

■ 27.5291, 14.3289,
2.7035

■ 41.3479, 34.1276,
31.4762

■ 27.3062, 14.0589,
2.0867

■ 46.2705, 41.4291,
40.9587

■ 52.0720, 50.0821,
51.9868

■ 58.7924, 60.1500,
64.6254

■ 66.4693, 71.6921,
78.9355

■ 75.1383, 84.7647,
94.9751

■ 80.9612, 92.7370,
108.2407

Harmonies

Analogous

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



32.3208, 19.6159, 26.7154



31.4033, 19.6159, 11.5823



26.7216, 19.6159, 4.6815

Triad

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



31.4033, 19.6159, 11.5823



11.0970, 19.6159, 6.7550



16.9646, 19.6159, 72.5478

Complementary

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



31.4033, 19.6159, 11.5823



36.4470, 52.5744, 61.0550

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.



12.3847, 19.6159, 58.2394



31.4033, 19.6159, 11.5823



9.5001, 19.6159, 16.7701

Square

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



31.4033, 19.6159, 11.5823



14.8131, 19.6159, 3.0992



9.9155, 19.6159, 35.4981



23.0850, 19.6159, 68.4725

Rectangle

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



31.4033, 19.6159, 11.5823



22.5507, 19.6159, 2.9667



9.9155, 19.6159, 35.4981



15.2173, 19.6159, 69.5363

Sweetspot

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



31.4038, 19.6170, 11.5826



74.4086, 69.0760, 70.0844



37.0720, 21.3746, 64.4587



15.4036, 14.0059, 14.0052



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.



31.4038, 19.6170, 11.5826



44.0238, 24.6439, 9.5896



35.9647, 29.6458, 10.3068



12.4776, 12.4425, 13.1891



16.8758, 8.6866, 1.3839



1.0368, 0.5315, 0.1832

Inverse Universe

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



31.4038, 19.6170, 11.5826



44.0238, 24.6439, 9.5896



27.1242, 31.0414, 66.8489



12.4776, 12.4425, 13.1891



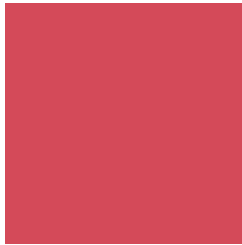
16.8758, 8.6866, 1.3839



1.0368, 0.5315, 0.1832

Previews

White Background



This preview shows how the XYZ color 31.4033, 19.6159, 11.5823 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 31.4033, 19.6159, 11.5823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

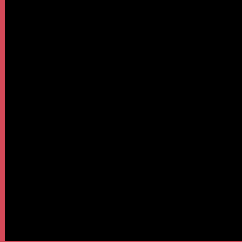
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4033, 19.6159, 11.5823

Background



This preview shows how black text looks on a background with the XYZ color 31.4033, 19.6159, 11.5823.



This preview shows how white text looks on a background with the XYZ color 31.4033, 19.6159,

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

31.4033, 19.6159, 11.5823

Protanopia

18.8543, 19.9028, 17.8868

Deuteranopia

20.0340, 19.7691, 10.7426



Tritanopia

31.1838, 19.7451, 9.7570

Trichromacy



Original Color

31.4033, 19.6159, 11.5823

Protanomaly

21.7978, 18.4534, 15.2449

Deuteranomaly

23.1857, 18.8165, 11.0043

Tritanomaly

31.2288, 19.6537, 10.3312

Monochromacy



Original Color

31.4033, 19.6159, 11.5823

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.2564, 17.0443, 16.1322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4033, 19.6159, 11.5823 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, 74, 89)` looks like.

```
.text, #text, p{  
    color:rgb(212, 74, 89)  
}
```

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, 74, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 74, 89) }
```

Border

The CSS property to change the border of an element to XYZ 31.4033, 19.6159, 11.5823 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, 74, 89) }
```


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

```
.border{ border-color:rgb(212, 74, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 74, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 74, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 74, 89);  
box-shadow:4px 4px 4px 4px rgb(212, 74,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4033, 19.6159, 11.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 74, 89) }
```

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

```
.background{ background-color: rgb(212, 74,  
89) }
```

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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