

Converting Colors

XYZ(31.9926, 18.6880, 11.1535)

Have a look what the booklet for
XYZ(31.9926, 18.6880, 11.1535)
contains.

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Color

**XYZ(31.9926, 18.6880,
11.1535)**

Conversions

Conversions Part 1

Format	Color
Hex	D93C58
RGB	217, 60, 88
RGB Percent	85%, 24%, 35%
CMY	0.1490, 0.7647, 0.6549
CMYK	0.00, 0.72, 0.59, 0.15
HSL	349°, 67%, 54%
HSV	349°, 72%, 85%
XYZ	31.9926, 18.6880, 11.1535
YIQ	110.1350, 84.5840, 41.9920

Conversions

Conversions Part 2

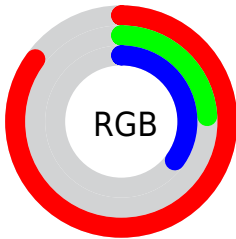
Format	Color
RYB	217, 60, 88
Decimal	14236760
CIELab	50.32, 61.95, 20.77
CIELCh	50, 65.334, 18.532
Yxy	18.6880, 0.5174, 0.3022
Android (android.graphics.Color)	4292426840 (0xFFD93C58)
YUV	110.1350, -10.9126, 93.7206
Hunter-Lab	43.2296, 56.4492, 14.9636

Details

The XYZ color **31.9926, 18.6880, 11.1535** 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 **35.8632, 54.2610, 56.7329**, and the grayscale version is **14.8743, 15.6489, 17.0417**.

A 20% lighter version of the original color is **52.3059, 36.0518, 28.2466**, and **13.9536, 7.1430, 2.9288** is the 20% darker color. If you saturate the color by 10%, you get **30.4291, 16.6022, 7.4232**, and if you desaturate by 10%, it is **34.2034, 21.7798, 15.9910**.

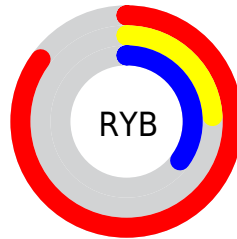
Distribution



Red (85%)

Green (24%)

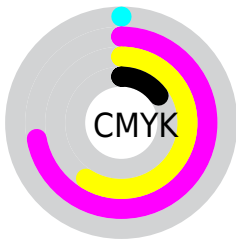
Blue (35%)



Red (85%)

Yellow (24%)

Blue (35%)

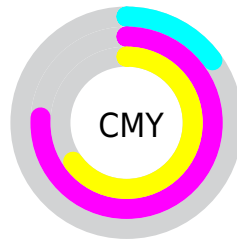


Cyan (0%)

Magenta (72%)

Yellow (59%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9926, 18.6880, 11.1535 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 31.9926, 18.6880, 11.1535 by changing the saturation by 10% instead.


 31.9926, 18.6880,
11.1535


 31.9926, 18.6880,
11.1535


302.8314,
244.7209, 209.4927


 21.5114, 11.4451,
6.0547


 62.1648, 41.2062,
28.5846

 13.6129, 6.3670,
2.8090


 82.5864, 57.2503,
41.7541


 7.9318, 3.0695,
0.9980


 107.0522, 76.9968,
58.4508

 4.1028, 1.1681,
0.0000

 135.9276,
100.8303, 79.0934

 1.7604, 0.0354,
0.0000

 169.5778,
129.1350, 104.1003

 0.4937, 0.0000,
0.0000

208.3683,

 0.0000, 0.0000,

162.2954, 133.8901

0.0000

252.6644,
200.6959, 168.8814

■ 31.9926, 18.6880,
11.1535

■ 31.9926, 18.6880,
11.1535

■ 30.4291, 16.6022,
7.4232

■ 34.2034, 21.7798,
15.9910

■ 29.4371, 15.3916,
4.7083


■ 37.1231, 25.9808,
22.0153


■ 28.9762, 14.8961,
3.2406


■ 40.8073, 31.3847,
29.2994


■ 45.3057, 38.0747,
37.9101

■ 50.6636, 46.1263,
47.9094

 56.9231, 55.6093,
59.3554

 64.1234, 66.5887,
72.3028

 72.3014, 79.1254,
86.8035

 81.3930, 93.0788,
102.8739

Harmonies

Analogous

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



32.5710, 18.6880, 28.1001



31.9926, 18.6880, 11.1535



27.1092, 18.6880, 3.8052

Triad

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



31.9926, 18.6880, 11.1535



10.1102, 18.6880, 4.8880



15.4494, 18.6880, 77.2448

Complementary

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



31.9926, 18.6880, 11.1535



35.8632, 54.2610, 56.7329

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.



10.8566, 18.6880, 59.2710



31.9926, 18.6880, 11.1535



8.3006, 18.6880, 14.1715

Square

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



31.9926, 18.6880, 11.1535



14.1659, 18.6880, 1.9581



8.5367, 18.6880, 33.5691



21.9213, 18.6880, 74.5694

Rectangle

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



31.9926, 18.6880, 11.1535



22.6027, 18.6880, 2.0893



8.5367, 18.6880, 33.5691



13.6677, 18.6880, 73.1262

Sweetspot

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



31.9931, 18.6891, 11.1538



73.1369, 66.6595, 69.2700



34.9336, 18.9617, 67.4641



15.1738, 13.5435, 13.9372



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.



31.9931, 18.6891, 11.1538



42.9808, 22.8332, 8.3939



34.9772, 26.1704, 7.4843



13.1504, 13.0892, 14.0530



17.5684, 9.0284, 2.1072



1.1670, 0.5965, 0.2886

Inverse Universe

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



31.9931, 18.6891, 11.1538



42.9808, 22.8332, 8.3939



28.2597, 33.7132, 70.6632



13.1504, 13.0892, 14.0530



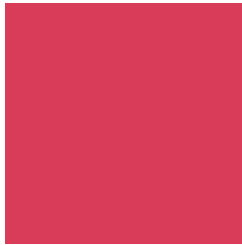
17.5684, 9.0284, 2.1072



1.1670, 0.5965, 0.2886

Previews

White Background



This preview shows how the XYZ color 31.9926, 18.6880, 11.1535 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 31.9926, 18.6880, 11.1535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

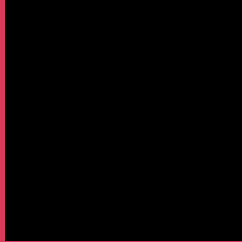
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9926, 18.6880, 11.1535

Background



This preview shows how black text looks on a background with the XYZ color 31.9926, 18.6880, 11.1535.

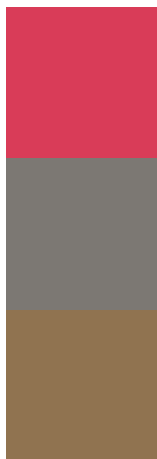


This preview shows how white text looks on a background with the XYZ color 31.9926, 18.6880,

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

31.9926, 18.6880, 11.1535

Protanopia

18.1232, 18.9558, 18.9233

Deuteranopia

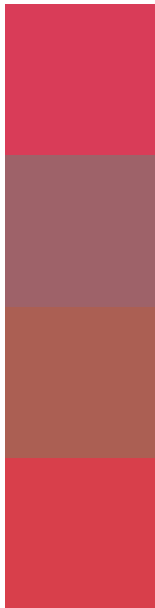
19.0803, 18.7699, 10.2067



Tritanopia

31.1654, 18.6710, 7.2714

Trichromacy



Original Color

31.9926, 18.6880, 11.1535

Protanomaly

21.0180, 17.0244, 15.5429

Deuteranomaly

22.4481, 17.4669, 10.3719

Tritanomaly

31.3664, 18.6619, 8.6055

Monochromacy



Original Color

31.9926, 18.6880, 11.1535

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.6198, 15.0032, 14.4849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9926, 18.6880, 11.1535 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(217, 60, 88)` looks like.

```
.text, #text, p{  
    color:rgb(217, 60, 88)  
}
```

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(217, 60, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 60, 88) }
```

Border

The CSS property to change the border of an element to XYZ 31.9926, 18.6880, 11.1535 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(217, 60, 88) }
```


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

```
.border{ border-color:rgb(217, 60, 88) }
```

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

Here you see how a box with a 4 pixel rgb(217, 60, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 60, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 60, 88);  
box-shadow:4px 4px 4px 4px rgb(217, 60,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9926, 18.6880, 11.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 60, 88) }
```

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

```
.background{ background-color: rgb(217, 60,  
88) }
```

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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