

Converting Colors

XYZ(31.7274, 19.1770, 6.1686)

Have a look what the booklet for
XYZ(31.7274, 19.1770, 6.1686)
contains.

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Color

**XYZ(31.6511, 19.1176,
6.1595)**

Conversions

Conversions Part 1

Format	Color
Hex	DA423B
RGB	218, 66, 59
RGB Percent	85%, 26%, 23%
CMY	0.1451, 0.7411, 0.7686
CMYK	0.00, 0.70, 0.73, 0.15
HSL	3°, 68%, 54%
HSV	3°, 73%, 85%
XYZ	31.6511, 19.1176, 6.1595
YIQ	110.6500, 92.8390, 30.0470

Conversions

Conversions Part 2

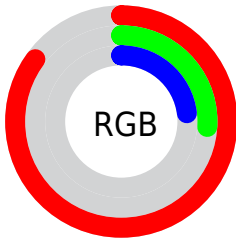
Format	Color
R _Y B	218, 66, 59
Decimal	14303803
CIE Lab	50.82, 58.53, 38.44
CIE LCh	51, 70.024, 33.294
Yxy	19.1176, 0.5560, 0.3358
Android (android.graphics.Color)	4292493883 (0xFFDA423B)
YUV	110.6500, -25.4635, 94.1459
Hunter-Lab	43.7237, 52.6978, 22.2542

Details

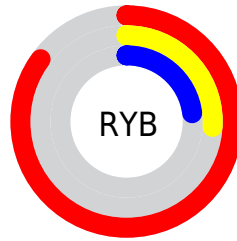
The XYZ color **31.6511, 19.1176, 6.1595** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **37.7503, 52.5753, 74.4878**, and the grayscale version is **15.0617, 15.8460, 17.2563**.

A 20% lighter version of the original color is **50.9768, 36.4875, 18.2659**, and **13.6038, 7.0031, 1.0867** is the 20% darker color. If you saturate the color by 10%, you get **30.1953, 16.9300, 3.4432**, and if you desaturate by 10%, it is **33.7870, 22.2884, 10.2667**.

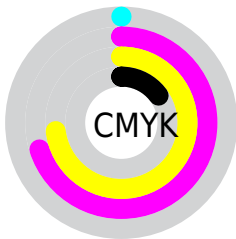
Distribution



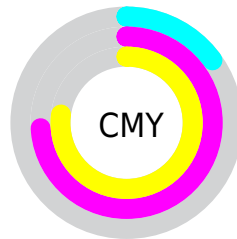
- Red (85%)
- Green (26%)
- Blue (23%)



- Red (85%)
- Yellow (26%)
- Blue (23%)



- Cyan (0%)
- Magenta (70%)
- Yellow (73%)
- Black (15%)





- Cyan (15%)
- Magenta (74%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6511, 19.1176, 6.1595 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 31.6511, 19.1176, 6.1595 by changing the saturation by 10% instead.


 31.6511, 19.1176,
6.1595


 31.6511, 19.1176,
6.1595


301.3004,
247.0972, 169.8416

 21.2494, 11.7553,
2.8720


 61.6326, 41.9327,
18.7444

 13.4199, 6.5773,
1.0296


 81.9431, 58.1543,
28.8789

 7.7973, 3.1992,
0.0000


 106.2873, 78.0978,
42.1327

 4.0162, 1.2366,
0.0000

 135.0305,
102.1475, 58.9245

 1.7113, 0.0913,
0.0000

 168.5380,
130.6880, 79.6727

 0.4633, 0.0000,
0.0000

 207.1753,

 0.0000, 0.0000,

164.1035, 104.7959

0.0000

251.3077,
202.7784, 134.7127

■ 31.6511, 19.1176,
6.1595

■ 31.6511, 19.1176,
6.1595

■ 30.1953, 16.9300,
3.4432

■ 33.7870, 22.2884,
10.2667

■ 29.3359, 15.6080,
1.9335


■ 36.6712, 26.5360,
15.9162


■ 29.0176, 15.1140,
1.3879


■ 40.3648, 31.9468,
23.2407


■ 44.9226, 38.5977,
32.3583

■ 50.3943, 46.5587,
43.3766

 56.8260, 55.8948,
56.3945

 64.2606, 66.6668,
71.5043

 72.7385, 78.9315,
88.7924

 82.2656, 92.7300,
108.1706

Harmonies

Analogous

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



34.8719, 19.1176, 18.7101



31.6511, 19.1176, 6.1595



24.8007, 19.1176, 1.9876

Triad

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



31.6511, 19.1176, 6.1595



8.7170, 19.1176, 7.9938



18.9429, 19.1176, 86.3471

Complementary

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



31.6511, 19.1176, 6.1595



37.7503, 52.5753, 74.4878

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.



12.8420, 19.1176, 76.4602



31.6511, 19.1176, 6.1595



7.8916, 19.1176, 23.0739

Square

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



31.6511, 19.1176, 6.1595



11.8236, 19.1176, 2.4789



9.1921, 19.1176, 49.3738



26.4594, 19.1176, 71.3846

Rectangle

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



31.6511, 19.1176, 6.1595



19.7625, 19.1176, 1.2965



9.1921, 19.1176, 49.3738



16.6668, 19.1176, 85.8397

Sweetspot

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



31.6515, 19.1187, 6.1598



72.5109, 67.3264, 63.1455



42.4494, 22.8222, 64.9188



15.0289, 13.6963, 12.5238



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.



31.6515, 19.1187, 6.1598



42.2576, 22.9079, 3.4633



39.6457, 35.1071, 8.8245



13.1018, 13.1431, 13.5719



17.4051, 9.0959, 0.8383



1.1442, 0.6224, 0.0598

Inverse Universe

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



37.7503, 52.5753, 74.4878



51.2880, 72.8748, 105.9708



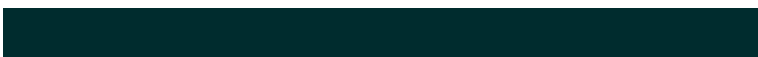
22.8734, 22.8216, 69.5288



13.3931, 14.7260, 16.7886



21.1734, 30.2163, 44.4548



1.3873, 1.9886, 2.8852

Previews

White Background



This preview shows how the XYZ color 31.6511, 19.1176, 6.1595 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 31.6511, 19.1176, 6.1595 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 31.6511, 19.1176, 6.1595

Background



This preview shows how black text looks on a background with the XYZ color 31.6511, 19.1176, 6.1595.



This preview shows how white text looks on a background with the XYZ color 31.6511, 19.1176,

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

31.6511, 19.1176, 6.1595

Protanopia

17.8504, 19.3747, 10.0066

Deuteranopia

19.5623, 19.2918, 5.5984



Tritanopia

31.8471, 19.1034, 7.4776

Trichromacy



Original Color

31.6511, 19.1176, 6.1595

Protanomaly

20.9930, 17.7442, 8.2798

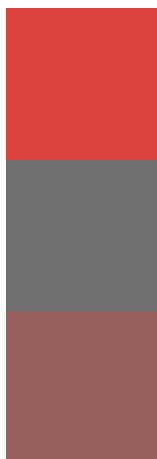
Deuteranomaly

22.6895, 18.1064, 5.6672

Tritanomaly

31.7579, 19.0677, 7.0076

Monochromacy



Original Color

31.6511, 19.1176, 6.1595

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.6017, 15.4412, 12.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6511, 19.1176, 6.1595 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(218, 66, 59)` looks like.

```
.text, #text, p{  
    color:rgb(218, 66, 59)  
}
```

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(218, 66, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 66, 59) }
```

Border

The CSS property to change the border of an element to XYZ 31.6511, 19.1176, 6.1595 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(218, 66, 59) }
```


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

```
.border{ border-color:rgb(218, 66, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 66, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 66, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 66, 59);  
box-shadow:4px 4px 4px 4px rgb(218, 66,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6511, 19.1176, 6.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 66, 59) }
```

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

```
.background{ background-color: rgb(218, 66,  
59) }
```

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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