

Converting Colors

XYZ(31.8471, 19.1034, 7.4776)

Have a look what the booklet for
XYZ(31.8471, 19.1034, 7.4776)
contains.

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Color

**XYZ(31.8471, 19.1034,
7.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	DA4144
RGB	218, 65, 68
RGB Percent	85%, 25%, 27%
CMY	0.1451, 0.7451, 0.7333
CMYK	0.00, 0.70, 0.69, 0.15
HSL	359°, 67%, 55%
HSV	359°, 70%, 85%
XYZ	31.8471, 19.1034, 7.4776
YIQ	111.0890, 90.2250, 33.3690

Conversions

Conversions Part 2

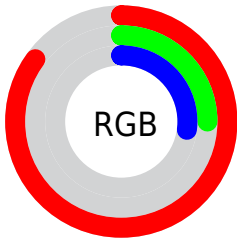
Format	Color
RYB	218, 65, 68
Decimal	14303556
CIELab	50.81, 59.32, 33.28
CIElCh	51, 68.015, 29.298
Yxy	19.1034, 0.5451, 0.3270
Android (android.graphics.Color)	4292493636 (0xFFDA4144)
YUV	111.0890, -21.2429, 93.7609
Hunter-Lab	43.7074, 53.5747, 20.4517

Details

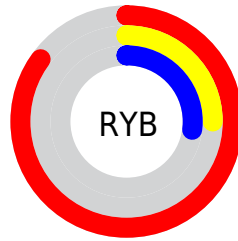
The XYZ color **31.8471, 19.1034, 7.4776** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **39.5189, 56.1734, 73.0562**, and the grayscale version is **15.1778, 15.9683, 17.3895**.

A 20% lighter version of the original color is **51.3519, 36.4400, 20.8501**, and **13.8858, 7.1381, 1.5656** is the 20% darker color. If you saturate the color by 10%, you get **30.2904, 16.8507, 4.3060**, and if you desaturate by 10%, it is **34.1251, 22.4187, 12.0625**.

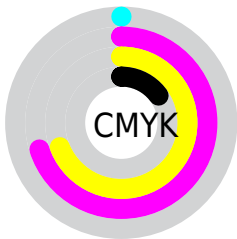
Distribution



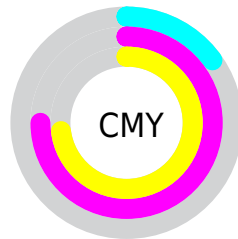
- Red (85%)
- Green (25%)
- Blue (27%)



- Red (85%)
- Yellow (25%)
- Blue (27%)



- Cyan (0%)
- Magenta (70%)
- Yellow (69%)
- Black (15%)





- Cyan (15%)
- Magenta (75%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8471, 19.1034, 7.4776 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 31.8471, 19.1034, 7.4776 by changing the saturation by 10% instead.


 31.8471, 19.1034,
7.4776


 31.8471, 19.1034,
7.4776


302.1798,
247.0190, 181.3540


 21.3997, 11.7450,
3.6796


 61.9381, 41.9087,
21.4568

 13.5306, 6.5703,
1.4513


 82.3125, 58.1245,
32.4750

 7.8744, 3.1949,
0.1812


 106.7265, 78.0615,
46.7371

 4.0658, 1.2343,
0.0000

 135.5457,
102.1041, 64.6616

 1.7395, 0.0894,
0.0000

 169.1352,
130.6368, 86.6670

 0.4808, 0.0000,
0.0000

207.8605,

 0.0000, 0.0000,

164.0439, 113.1718

0.0000

252.0869,
202.7098, 144.5946

■ 31.8471, 19.1034,
7.4776

■ 31.8471, 19.1034,
7.4776

■ 30.2904, 16.8507,
4.3060

■ 34.1251, 22.4187,
12.0625

■ 29.3672, 15.5282,
2.3835


■ 37.1958, 26.9019,
18.1985


■ 28.9366, 14.9146,
1.4760


■ 41.1238, 32.6494,
26.0082


■ 45.9665, 39.7466,
35.6015

■ 51.7764, 48.2715,
47.0790

 58.6020, 58.2964,
60.5340

 66.4886, 69.8883,
76.0533

 75.4788, 83.1104,
93.7189

 82.7232, 93.6453,
108.3231

Harmonies

Analogous

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



34.2996, 19.1034, 21.2550



31.8471, 19.1034, 7.4776



25.5501, 19.1034, 2.4815

Triad

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



31.8471, 19.1034, 7.4776



9.1893, 19.1034, 7.0893



18.0001, 19.1034, 83.6799

Complementary

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



31.8471, 19.1034, 7.4776



39.5189, 56.1734, 73.0562

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.



12.3486, 19.1034, 71.2904



31.8471, 19.1034, 7.4776



8.0915, 19.1034, 20.3522

Square

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



31.8471, 19.1034, 7.4776



12.5609, 19.1034, 2.3737



9.0896, 19.1034, 44.5435



25.2089, 19.1034, 72.3214

Rectangle

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



31.8471, 19.1034, 7.4776



20.6527, 19.1034, 1.5387



9.0896, 19.1034, 44.5435



15.8713, 19.1034, 82.0761

Sweetspot

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



31.8475, 19.1045, 7.4779



72.9513, 67.5312, 65.3756



41.9572, 22.9749, 68.5524



15.0985, 13.6971, 12.9743



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.



31.8475, 19.1045, 7.4779



42.4994, 23.0214, 4.6848



38.7290, 33.0098, 9.3330



13.0663, 13.0556, 13.6105



17.3407, 8.9373, 0.9084



1.1271, 0.5805, 0.0784

Inverse Universe

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



31.8475, 19.1045, 7.4779



42.4994, 23.0214, 4.6848



25.2078, 26.9308, 70.1987



13.0663, 13.0556, 13.6105



17.3407, 8.9373, 0.9084



1.1271, 0.5805, 0.0784

Previews

White Background



This preview shows how the XYZ color 31.8471, 19.1034, 7.4776 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 31.8471, 19.1034, 7.4776 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 31.8471, 19.1034, 7.4776

Background



This preview shows how black text looks on a background with the XYZ color 31.8471, 19.1034, 7.4776.



This preview shows how white text looks on a background with the XYZ color 31.8471, 19.1034,

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

31.8471, 19.1034, 7.4776

Protanopia

18.0006, 19.2213, 12.2125

Deuteranopia

19.6125, 19.2906, 6.8274



Tritanopia

31.8471, 19.1034, 7.4776

Trichromacy



Original Color

31.8471, 19.1034, 7.4776

Protanomaly

21.2431, 17.6880, 10.0791

Deuteranomaly

22.8234, 18.0111, 6.8310

Tritanomaly

31.8471, 19.1034, 7.4776

Monochromacy



Original Color

31.8471, 19.1034, 7.4776

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.6459, 15.3157, 12.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8471, 19.1034, 7.4776 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, 65, 68)` looks like.

```
.text, #text, p{  
    color:rgb(218, 65, 68)  
}
```

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, 65, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 65, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.8471, 19.1034, 7.4776 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, 65, 68) }
```


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

```
.border{ border-color:rgb(218, 65, 68) }
```

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

Here you see how a box with a 4 pixel rgb(218, 65, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 65, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 65, 68);  
box-shadow:4px 4px 4px 4px rgb(218, 65,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8471, 19.1034, 7.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 65, 68) }
```

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

```
.background{ background-color: rgb(218, 65,  
68) }
```

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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