

Converting Colors

XYZ(31.7422, 18.7480, 4.9634)

Have a look what the booklet for
XYZ(31.7422, 18.7480, 4.9634)
contains.

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Color

**XYZ(31.7597, 18.7834,
4.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	DC3D32
RGB	220, 61, 50
RGB Percent	86%, 24%, 20%
CMY	0.1373, 0.7607, 0.8039
CMYK	0.00, 0.72, 0.77, 0.14
HSL	4°, 71%, 53%
HSV	4°, 77%, 86%
XYZ	31.7597, 18.7834, 4.9693
YIQ	107.2870, 98.2950, 30.2870

Conversions

Conversions Part 2

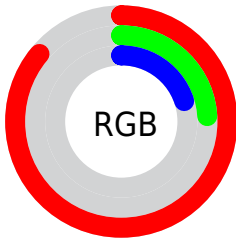
Format	Color
R _Y B	220, 62, 50
Decimal	14433586
CIE Lab	50.43, 60.61, 43.07
CIE LCh	50, 74.356, 35.394
Yxy	18.7834, 0.5721, 0.3384
Android (android.graphics.Color)	4292623666 (0xFFDC3D32)
YUV	107.2870, -28.2425, 98.8493
Hunter-Lab	43.3398, 54.9613, 23.5397

Details

The XYZ color **31.7597, 18.7834, 4.9693** 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 **37.0316, 51.4413, 75.6872**, and the grayscale version is **14.1129, 14.8479, 16.1694**.

A 20% lighter version of the original color is **50.0414, 35.3355, 15.7382**, and **13.9320, 7.1791, 0.7950** is the 20% darker color. If you saturate the color by 10%, you get **30.4982, 16.8465, 2.7430**, and if you desaturate by 10%, it is **33.6710, 21.6558, 8.5364**.

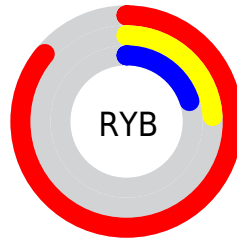
Distribution



Red (86%)

Green (24%)

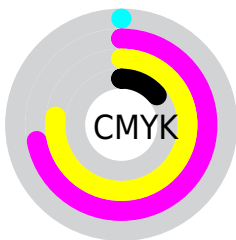
Blue (20%)



Red (86%)

Yellow (24%)

Blue (20%)

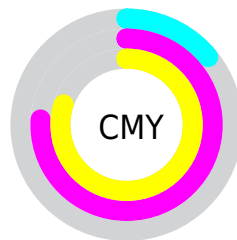


Cyan (0%)

Magenta (72%)

Yellow (77%)

Black (14%)



Cyan (14%)


Magenta (76%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7597, 18.7834, 4.9693 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 31.7597, 18.7834, 4.9693 by changing the saturation by 10% instead.

 31.7597, 18.7834,
4.9693


 31.7597, 18.7834,
4.9693


301.7879,
245.2504, 158.4567


 21.3327, 11.5139,
2.1708


 61.8019, 41.3678,
16.1899


 13.4812, 6.4136,
0.6575


 82.1478, 57.4514,
25.4490

 7.8400, 3.0982,
0.0000


 106.5308, 77.2419,
37.6989

 4.0437, 1.1832,
0.0000

 135.3160,
101.1236, 53.3579

 1.7269, 0.0479,
0.0000

 168.8690,
129.4809, 72.8446

 0.4730, 0.0000,
0.0000

 207.5551,

 0.0000, 0.0000,

162.6982, 96.5777

0.0000

251.7396,
201.1599, 124.9755

■ 31.7597, 18.7834,
4.9693

■ 31.7597, 18.7834,
4.9693

■ 30.4982, 16.8465,
2.7430

■ 33.6710, 21.6558,
8.5364

■ 29.7956, 15.7241,
1.6370


■ 36.3027, 25.5582,
13.6098


■ 29.6754, 15.5363,
1.4347


■ 39.7178, 30.5771,
20.3319


■ 43.9719, 36.7892,
28.8286

■ 49.1155, 44.2640,
39.2133

 55.1952, 53.0662,
51.5902

 62.2544, 63.2556,
66.0557

 70.3336, 74.8886,
82.7000

 79.4712, 88.0184,
101.6082

Harmonies

Analogous

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



35.5871, 18.7834, 16.9317



31.7597, 18.7834, 4.9693



24.2926, 18.7834, 1.4073

Triad

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



31.7597, 18.7834, 4.9693



7.9587, 18.7834, 7.9463



19.1926, 18.7834, 91.2558

Complementary

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



31.7597, 18.7834, 4.9693



37.0316, 51.4413, 75.6872

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.



12.6657, 18.7834, 82.2447



31.7597, 18.7834, 4.9693



7.2780, 18.7834, 24.4291

Square

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



31.7597, 18.7834, 4.9693



10.9486, 18.7834, 2.1342



8.7462, 18.7834, 53.2827



27.1805, 18.7834, 73.1353

Rectangle

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



31.7597, 18.7834, 4.9693



18.9934, 18.7834, 0.8975



8.7462, 18.7834, 53.2827



16.7593, 18.7834, 91.3852

Sweetspot

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



31.7601, 18.7845, 4.9696



71.9324, 66.6388, 61.5050



42.4763, 22.2251, 64.0080



14.7628, 13.3451, 11.8772



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.



31.7601, 18.7845, 4.9696



41.8976, 22.4025, 2.6817



39.9885, 35.2413, 7.7124



13.1234, 13.1862, 13.5791



17.4445, 9.1746, 0.8514



1.1545, 0.6431, 0.0633

Inverse Universe

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



37.0316, 51.4413, 75.6872



49.3512, 69.4563, 105.4131



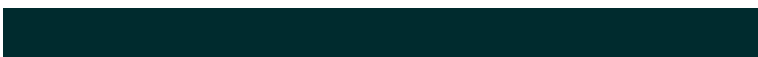
21.7587, 20.8954, 70.5962



13.3689, 14.6776, 16.7806



20.5319, 28.9332, 44.2409



1.3524, 1.9189, 2.8736

Previews

White Background



This preview shows how the XYZ color 31.7597, 18.7834, 4.9693 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 31.7597, 18.7834, 4.9693 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 31.7597, 18.7834, 4.9693

Background



This preview shows how black text looks on a background with the XYZ color 31.7597, 18.7834, 4.9693.



This preview shows how white text looks on a background with the XYZ color 31.7597, 18.7834,

4.9693.

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

31.7597, 18.7834, 4.9693

Protanopia

17.5536, 19.0786, 8.2262

Deuteranopia

19.2431, 18.9807, 4.4831



Tritanopia

31.9487, 18.6914, 6.4813

Trichromacy



Original Color

31.7597, 18.7834, 4.9693

Protanomaly

20.8212, 17.2599, 6.6490

Deuteranomaly

22.4146, 17.5817, 4.4027

Tritanomaly

31.8948, 18.7528, 5.9416

Monochromacy



Original Color

31.7597, 18.7834, 4.9693

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.5486, 14.2801, 10.6355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7597, 18.7834, 4.9693 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(220, 61, 50)` looks like.

```
.text, #text, p{  
    color:rgb(220, 61, 50)  
}
```

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(220, 61, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 61, 50) }
```

Border

The CSS property to change the border of an element to XYZ 31.7597, 18.7834, 4.9693 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(220, 61, 50) }
```


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

```
.border{ border-color:rgb(220, 61, 50) }
```

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

Here you see how a box with a 4 pixel rgb(220, 61, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 61, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 61, 50);  
box-shadow:4px 4px 4px 4px rgb(220, 61,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7597, 18.7834, 4.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 61, 50) }
```

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

```
.background{ background-color: rgb(220, 61,  
50) }
```

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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