

Converting Colors

XYZ(31.6886, 19.5701, 3.4523)

Have a look what the booklet for
XYZ(31.6886, 19.5701, 3.4523)
contains.

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Color

**XYZ(31.6643, 19.5447,
3.4701)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DB4620 |
| RGB | 219, 70, 32 |
| RGB Percent | 86%, 27%, 13% |
| CMY | 0.1412, 0.7254, 0.8745 |
| CMYK | 0.00, 0.68, 0.85, 0.14 |
| HSL | 12°, 75%, 49% |
| HSV | 12°, 85%, 86% |
| XYZ | 31.6643, 19.5447, 3.4701 |
| YIQ | 110.2190, 101.0020, 19.7700 |

Conversions

Conversions Part 2

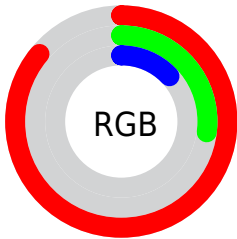
| Format | Color |
|-------------------------------------|---|
| RYB | 219, 80, 32 |
| Decimal | 14370336 |
| CIELab | 51.32, 56.45, 52.66 |
| CIElCh | 51, 77.196, 43.009 |
| Yxy | 19.5447, 0.5791, 0.3574 |
| Android (android.graphics.Color) | 4292560416 (0xFFDB4620) |
| YUV | 110.2190, -38.5620, 95.4009 |
| Hunter-Lab | 44.2094, 50.4815, 26.2928 |

Details

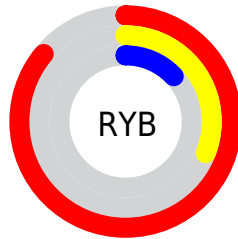
The XYZ color **31.6643, 19.5447, 3.4701** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.9037, 38.4653, 72.8658**, and the grayscale version is **14.9721, 15.7518, 17.1537**.

A 20% lighter version of the original color is **50.1861, 36.7758, 12.2379**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.5217, 17.5885, 2.0763**, and if you desaturate by 10%, it is **33.3222, 22.2163, 6.0098**.

Distribution



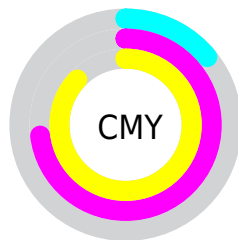
- Red (86%)
- Green (27%)
- Blue (13%)



- Red (86%)
- Yellow (31%)
- Blue (13%)



- Cyan (0%)
- Magenta (68%)
- Yellow (85%)
- Black (14%)





- Cyan (14%)
- Magenta (73%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6643, 19.5447, 3.4701 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 31.6643, 19.5447, 3.4701 by changing the saturation by 10% instead.


 31.6643, 19.5447,
3.4701


 31.6643, 19.5447,
3.4701


301.3597,
249.4395, 142.1397


 21.2595, 12.0645,
1.3394


 61.6532, 42.6525,
12.7679

 13.4274, 6.7876,
0.0938


 81.9680, 59.0489,
20.7722


 7.8025, 3.3296,
0.0000


 106.3169, 79.1862,
31.5713

 4.0196, 1.3062,
0.0000

 135.0652,
103.4488, 45.5839

 1.7132, 0.1460,
0.0000

 168.5783,
132.2210, 63.2285

 0.4645, 0.0000,
0.0000

 207.2215,

 0.0000, 0.0000,

165.8873, 84.9236

0.0000

251.3602,
204.8320, 111.0878

31.6643, 19.5447,
3.4701

31.6643, 19.5447,
3.4701

30.5217, 17.5885,
2.0763

33.3222, 22.2163,
6.0098

30.1331, 16.8998,
1.6738

35.5529, 25.6633,
9.8809

38.4070, 29.9428,
15.2367

41.9287, 35.1055,
22.2087

46.1581, 41.1977,
30.9143

■ 51.1320, 48.2626,
41.4596

■ 56.8846, 56.3407,
53.9423

■ 63.4479, 65.4701,
68.4531

■ 70.8521, 75.6868,
85.0771

Harmonies

Analogous

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



37.0906, 19.5447, 13.0821



31.6643, 19.5447, 3.4701



23.2547, 19.5447, 1.0258

Triad

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



31.6643, 19.5447, 3.4701



7.6990, 19.5447, 11.1281



22.1180, 19.5447, 95.2542

Complementary

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



31.6643, 19.5447, 3.4701



29.9037, 38.4653, 72.8658

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.



14.5722, 19.5447, 93.1954



31.6643, 19.5447, 3.4701



7.5518, 19.5447, 32.3418

Square

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



31.6643, 19.5447, 3.4701



10.1876, 19.5447, 2.8840



9.7073, 19.5447, 65.3719



30.6362, 19.5447, 69.8800

Rectangle

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



31.6643, 19.5447, 3.4701



17.8091, 19.5447, 0.7964



9.7073, 19.5447, 65.3719



19.3659, 19.5447, 98.0827

Sweetspot

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



31.6647, 19.5459, 3.4704



71.5546, 67.2449, 57.1818



38.1319, 19.4539, 45.7846



14.7711, 13.6220, 11.0779



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.



31.6647, 19.5459, 3.4704



42.4605, 23.7009, 2.3368



42.5533, 41.3231, 7.0999



13.2693, 13.4780, 13.6277



17.9304, 10.1465, 1.0134



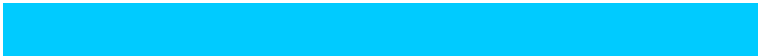
1.2235, 0.7811, 0.0863

Inverse Universe

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



29.9037, 38.4653, 72.8658



39.4458, 50.0117, 102.1819



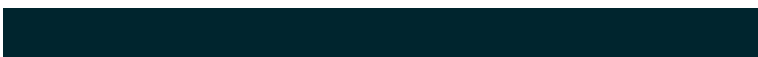
16.8798, 12.4175, 68.5245



13.2084, 14.3566, 16.7271



16.6923, 21.2541, 42.9611



1.1395, 1.4930, 2.8026

Previews

White Background



This preview shows how the XYZ color 31.6643, 19.5447, 3.4701 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 31.6643, 19.5447, 3.4701 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 31.6643, 19.5447, 3.4701

Background



This preview shows how black text looks on a background with the XYZ color 31.6643, 19.5447, 3.4701.



This preview shows how white text looks on a background with the XYZ color 31.6643, 19.5447,

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

31.6643, 19.5447, 3.4701

Protanopia

17.8731, 19.6737, 5.3380

Deuteranopia

19.7630, 19.4593, 2.7144



Tritanopia

32.5376, 19.5417, 7.6872

Trichromacy



Original Color

31.6643, 19.5447, 3.4701

Protanomaly

21.2697, 18.2693, 4.4128

Deuteranomaly

22.8883, 18.4152, 2.6960

Tritanomaly

32.2362, 19.5155, 5.8092

Monochromacy



Original Color

31.6643, 19.5447, 3.4701

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.1929, 15.2776, 9.9727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6643, 19.5447, 3.4701 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(219, 70, 32)` looks like.

```
.text, #text, p{  
  color:rgb(219, 70, 32)  
}
```

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(219, 70, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 70, 32) }
```

Border

The CSS property to change the border of an element to XYZ 31.6643, 19.5447, 3.4701 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(219, 70, 32) }
```


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

```
.border{ border-color:rgb(219, 70, 32) }
```

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

Here you see how a box with a 4 pixel rgb(219, 70, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 70, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 70, 32);  
box-shadow:4px 4px 4px 4px rgb(219, 70,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6643, 19.5447, 3.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 70, 32) }
```

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

```
.background{ background-color: rgb(219, 70,  
32) }
```

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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