

Converting Colors

XYZ(32.3733, 19.4785, 3.8536)

Have a look what the booklet for
XYZ(32.3733, 19.4785, 3.8536)
contains.

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Color

**XYZ(32.3643, 19.4501,
3.8822)**

Conversions

Conversions Part 1

Format	Color
Hex	DE4126
RGB	222, 65, 38
RGB Percent	87%, 25%, 15%
CMY	0.1294, 0.7451, 0.8510
CMYK	0.00, 0.71, 0.83, 0.13
HSL	9°, 74%, 51%
HSV	9°, 83%, 87%
XYZ	32.3643, 19.4501, 3.8822
YIQ	108.8650, 102.2390, 24.8870

Conversions

Conversions Part 2

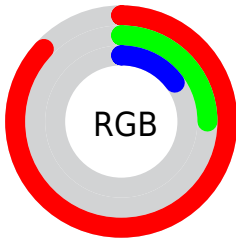
Format	Color
R_{YB}	222, 70, 38
Decimal	14565670
CIE _{Lab}	51.21, 59.45, 50.05
CIE _{LCh}	51, 77.717, 40.093
Yxy	19.4501, 0.5811, 0.3492
Android (android.graphics.Color)	4292755750 (0xFFDE4126)
YUV	108.8650, -34.9364, 99.2194
Hunter-Lab	44.1023, 53.8127, 25.6525

Details

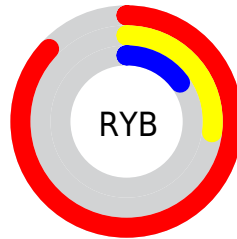
The XYZ color **32.3643, 19.4501, 3.8822** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **33.4968, 44.7114, 75.9713**, and the grayscale version is **14.5743, 15.3333, 16.6980**.

A 20% lighter version of the original color is **49.8792, 35.8510, 13.0951**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **31.1957, 17.5257, 2.2211**, and if you desaturate by 10%, it is **34.1115, 22.1910, 6.7883**.

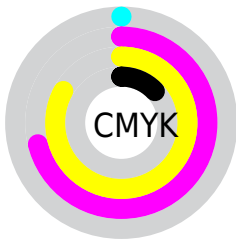
Distribution



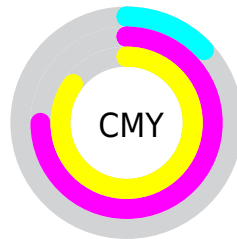
- Red (87%)
- Green (25%)
- Blue (15%)



- Red (87%)
- Yellow (27%)
- Blue (15%)



- Cyan (0%)
- Magenta (71%)
- Yellow (83%)
- Black (13%)





- Cyan (13%)
- Magenta (75%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3643, 19.4501, 3.8822 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 32.3643, 19.4501, 3.8822 by changing the saturation by 10% instead.

 32.3643, 19.4501,
3.8822


 32.3643, 19.4501,
3.8822


304.4913,
248.9224, 146.9069

 21.7968, 11.9960,
1.5609


 62.7431, 42.4933,
13.7372


 13.8234, 6.7409,
0.2627


 83.2851, 58.8511,
22.1079

 8.0788, 3.3006,
0.0000


 107.8827, 78.9457,
33.3323

 4.1977, 1.2906,
0.0000

 136.9012,
103.1613, 47.8288

 1.8146, 0.1339,
0.0000

 170.7059,
131.8824, 66.0160

 0.5264, 0.0000,
0.0000

 209.6623,

 0.0000, 0.0000,

165.4933, 88.3123

0.0000

254.1356,
204.3785, 115.1365

■ 32.3643, 19.4501,
3.8822

■ 32.3643, 19.4501,
3.8822

■ 31.1957, 17.5257,
2.2211

■ 34.1115, 22.1910,
6.7883


■ 30.6564, 16.5944,
1.5873


■ 36.5019, 25.8240,
11.1236


■ 39.5925, 30.4196,
17.0422


■ 43.4335, 36.0402,
24.6780

■ 48.0705, 42.7429,
34.1507

 53.5453, 50.5805,
45.5694

 59.8968, 59.6026,
59.0343

 67.1614, 69.8555,
74.6390

 75.3735, 81.3832,
92.4713

Harmonies

Analogous

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



37.3442, 19.4501, 14.5538



32.3643, 19.4501, 3.8822



24.0296, 19.4501, 1.0675

Triad

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



32.3643, 19.4501, 3.8822



7.7294, 19.4501, 9.7303



21.2186, 19.4501, 96.9255

Complementary

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



32.3643, 19.4501, 3.8822



33.4968, 44.7114, 75.9713

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.



13.8694, 19.4501, 91.8171



32.3643, 19.4501, 3.8822



7.3669, 19.4501, 29.5572

Square

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



32.3643, 19.4501, 3.8822



10.4649, 19.4501, 2.4451



9.2809, 19.4501, 62.1801



29.8197, 19.4501, 73.3594

Rectangle

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



32.3643, 19.4501, 3.8822



18.4626, 19.4501, 0.7394



9.2809, 19.4501, 62.1801



18.5109, 19.4501, 98.7544

Sweetspot

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



32.3647, 19.4513, 3.8825



71.4669, 66.6234, 58.5275



40.9486, 20.9684, 54.9928



14.7208, 13.4361, 11.3239



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.



32.3647, 19.4513, 3.8825



41.9996, 22.7569, 2.2521



42.1176, 38.9570, 7.1335



13.8688, 14.0235, 14.2826



18.2588, 9.9555, 0.9593



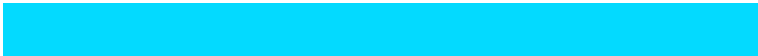
1.3175, 0.7938, 0.0838

Inverse Universe

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



33.4968, 44.7114, 75.9713



43.1383, 57.3492, 103.4036



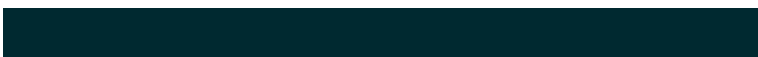
19.0834, 15.8846, 71.1668



13.9362, 15.2114, 17.5893



18.7573, 24.9842, 44.8822



1.3475, 1.8265, 3.1268

Previews

White Background



This preview shows how the XYZ color 32.3643, 19.4501, 3.8822 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 32.3643, 19.4501, 3.8822 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 32.3643, 19.4501, 3.8822

Background



This preview shows how black text looks on a background with the XYZ color 32.3643, 19.4501, 3.8822.



This preview shows how white text looks on a background with the XYZ color 32.3643, 19.4501,

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

32.3643, 19.4501, 3.8822

Protanopia

17.8789, 19.6572, 6.2201

Deuteranopia

19.8892, 19.5099, 3.3793



Tritanopia

33.0795, 19.5034, 6.8715

Trichromacy



Original Color

32.3643, 19.4501, 3.8822

Protanomaly

21.2212, 17.9316, 5.1390

Deuteranomaly

23.0629, 18.2122, 3.3367

Tritanomaly

32.8985, 19.5188, 5.6480

Monochromacy



Original Color

32.3643, 19.4501, 3.8822

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.0534, 14.9373, 10.1153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3643, 19.4501, 3.8822 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(222, 65, 38)` looks like.

```
.text, #text, p{  
    color:rgb(222, 65, 38)  
}
```

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(222, 65, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 65, 38) }
```

Border

The CSS property to change the border of an element to XYZ 32.3643, 19.4501, 3.8822 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(222, 65, 38) }
```


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

```
.border{ border-color:rgb(222, 65, 38) }
```

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

Here you see how a box with a 4 pixel rgb(222, 65, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 65, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 65, 38);  
box-shadow:4px 4px 4px 4px rgb(222, 65,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3643, 19.4501, 3.8822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 65, 38) }
```

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

```
.background{ background-color: rgb(222, 65,  
38) }
```

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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