

Converting Colors

XYZ(32.2603, 20.0050, 5.4850)

Have a look what the booklet for
XYZ(32.2603, 20.0050, 5.4850)
contains.

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Color

**XYZ(32.1734, 19.9518,
5.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	DB4835
RGB	219, 72, 53
RGB Percent	86%, 28%, 21%
CMY	0.1412, 0.7176, 0.7922
CMYK	0.00, 0.67, 0.76, 0.14
HSL	7°, 70%, 53%
HSV	7°, 76%, 86%
XYZ	32.1734, 19.9518, 5.5235
YIQ	113.7870, 93.7110, 25.2550

Conversions

Conversions Part 2

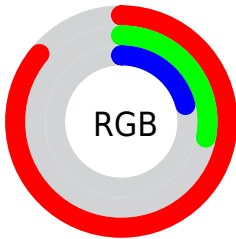
Format	Color
RYB	219, 74, 53
Decimal	14370869
CIELab	51.78, 56.30, 42.83
CIELCh	52, 70.736, 37.264
Yxy	19.9518, 0.5581, 0.3461
Android (android.graphics.Color)	4292560949 (0xFFDB4835)
YUV	113.7870, -29.9680, 92.2718
Hunter-Lab	44.6674, 50.4033, 23.9355

Details

The XYZ color **32.1734, 19.9518, 5.5235** 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 **34.9065, 47.1757, 74.2835**, and the grayscale version is **15.9986, 16.8318, 18.3298**.

A 20% lighter version of the original color is **51.3081, 37.6379, 16.8725**, and **13.7487, 7.0833, 0.8436** is the 20% darker color. If you saturate the color by 10%, you get **30.7176, 17.6709, 3.0951**, and if you desaturate by 10%, it is **34.2554, 23.1176, 9.2955**.

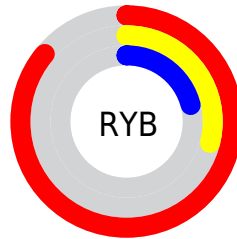
Distribution



Red (86%)

Green (28%)

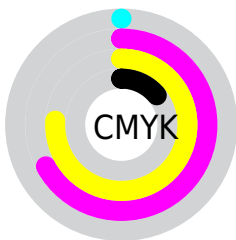
Blue (21%)



Red (86%)

Yellow (29%)

Blue (21%)

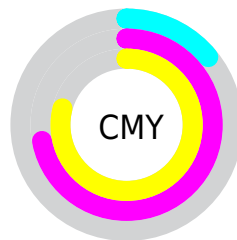


Cyan (0%)

Magenta (67%)

Yellow (76%)

Black (14%)



Cyan (14%)


Magenta (72%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1734, 19.9518, 5.5235 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 32.1734, 19.9518, 5.5235 by changing the saturation by 10% instead.


 32.1734, 19.9518,
5.5235


 32.1734, 19.9518,
5.5235


303.6397,
251.6541, 163.8954


 21.6502, 12.3600,
2.4935


 62.4462, 43.3364,
17.3938


 13.7152, 6.9894,
0.8367


 82.9265, 59.8979,
27.0712


 8.0032, 3.4554,
0.0000

 107.4564, 80.2182,
39.8016

 4.1489, 1.3739,
0.0000

 136.4015,
104.6816, 56.0033

 1.7867, 0.1974,
0.0000

 170.1270,
133.6725, 76.0950

 0.5096, 0.0000,
0.0000

 208.9983,

 0.0000, 0.0000,

167.5752, 100.4952

0.0000

253.3807,
206.7743, 129.6225

■ 32.1734, 19.9518,
5.5235

■ 32.1734, 19.9518,
5.5235

■ 30.7176, 17.6709,
3.0951

■ 34.2554, 23.1176,
9.2955

■ 29.8138, 16.1804,
1.8160

■ 37.0236, 27.2432,
14.5677

■ 29.5626, 15.7586,
1.4836

■ 40.5325, 32.3995,
21.4761

■ 44.8304, 38.6495,
30.1410

■ 49.9619, 46.0513,
40.6717

■ 55.9678, 54.6590,
53.1682

■ 62.8865, 64.5230,
67.7238

■ 70.7539, 75.6911,
84.4254

■ 79.6043, 88.2083,
103.3553

Harmonies

Analogous

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



36.1710, 19.9518, 17.1085



32.1734, 19.9518, 5.5235



24.8007, 19.9518, 1.8728

Triad

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



32.1734, 19.9518, 5.5235



8.8856, 19.9518, 9.7666



20.7590, 19.9518, 89.0514

Complementary

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



32.1734, 19.9518, 5.5235



34.9065, 47.1757, 74.2835

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.



14.1228, 19.9518, 82.1950



32.1734, 19.9518, 5.5235



8.3191, 19.9518, 27.1032

Square

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



32.1734, 19.9518, 5.5235



11.7866, 19.9518, 3.0245



9.9782, 19.9518, 55.4314



28.5857, 19.9518, 70.6696

Rectangle

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



32.1734, 19.9518, 5.5235



19.6287, 19.9518, 1.3431



9.9782, 19.9518, 55.4314



18.3136, 19.9518, 89.7489

Sweetspot

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



32.1738, 19.9530, 5.5238



72.6152, 68.0045, 61.7326



41.1945, 21.8895, 58.1794



14.9227, 13.6650, 11.9305



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.



32.1738, 19.9530, 5.5238



42.5144, 23.5622, 3.1152



41.1818, 37.9688, 8.5264



13.1755, 13.2904, 13.5965



17.5698, 9.4252, 0.8932



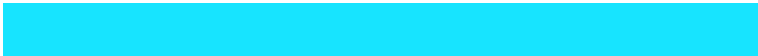
1.1793, 0.6926, 0.0715

Inverse Universe

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



34.9065, 47.1757, 74.2835



46.2635, 63.1241, 104.3536



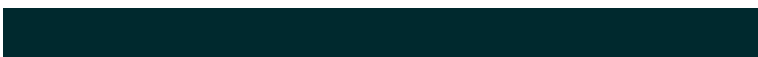
20.8989, 19.1605, 69.6143



13.3109, 14.5616, 16.7612



19.0621, 25.9936, 43.7510



1.2719, 1.7578, 2.8467

Previews

White Background



This preview shows how the XYZ color 32.1734, 19.9518, 5.5235 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 32.1734, 19.9518, 5.5235 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 32.1734, 19.9518, 5.5235

Background



This preview shows how black text looks on a background with the XYZ color 32.1734, 19.9518, 5.5235.



This preview shows how white text looks on a background with the XYZ color 32.1734, 19.9518,

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

32.1734, 19.9518, 5.5235

Protanopia

18.4352, 20.0792, 8.5343

Deuteranopia

20.4320, 20.0998, 5.0883



Tritanopia

32.8459, 19.9529, 8.4235

Trichromacy



Original Color

32.1734, 19.9518, 5.5235

Protanomaly

21.6747, 18.5690, 7.1444

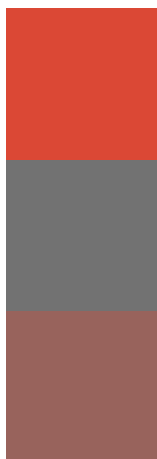
Deuteranomaly

23.5269, 18.9776, 5.1124

Tritanomaly

32.6887, 19.9893, 7.2897

Monochromacy



Original Color

32.1734, 19.9518, 5.5235

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.3425, 16.3718, 12.2658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1734, 19.9518, 5.5235 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, 72, 53)` looks like.

```
.text, #text, p{  
    color:rgb(219, 72, 53)  
}
```

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, 72, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 72, 53) }
```

Border

The CSS property to change the border of an element to XYZ 32.1734, 19.9518, 5.5235 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, 72, 53) }
```


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

```
.border{ border-color:rgb(219, 72, 53) }
```

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

Here you see how a box with a 4 pixel rgb(219, 72, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 72, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 72, 53);  
box-shadow:4px 4px 4px 4px rgb(219, 72,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1734, 19.9518, 5.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 72, 53) }
```

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

```
.background{ background-color: rgb(219, 72,  
53) }
```

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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