

Converting Colors

XYZ(32.9320, 21.1622, 5.2549)

Have a look what the booklet for
XYZ(32.9320, 21.1622, 5.2549)
contains.

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Color

**XYZ(32.9382, 21.1747,
5.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5031
RGB	220, 80, 49
RGB Percent	86%, 31%, 19%
CMY	0.1373, 0.6862, 0.8078
CMYK	0.00, 0.64, 0.78, 0.14
HSL	11°, 71%, 53%
HSV	11°, 78%, 86%
XYZ	32.9382, 21.1747, 5.2568
YIQ	118.3260, 93.3910, 20.0390

Conversions

Conversions Part 2

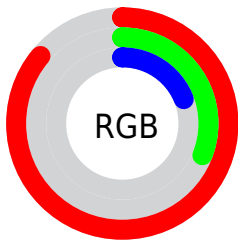
Format	Color
RYB	220, 87, 49
Decimal	14438449
CIELab	53.14, 53.18, 46.38
CIELCh	53, 70.568, 41.091
Yxy	21.1747, 0.5548, 0.3567
Android (android.graphics.Color)	4292628529 (0xFFDC5031)
YUV	118.3260, -34.1777, 89.1681
Hunter-Lab	46.0160, 47.2422, 25.4380

Details

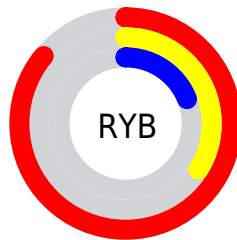
The XYZ color **32.9382, 21.1747, 5.2568** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **32.3805, 42.2116, 74.1506**, and the grayscale version is **17.4066, 18.3131, 19.9429**.

A 20% lighter version of the original color is **52.0616, 39.4510, 16.1801**, and **14.1106, 7.5712, 0.7464** is the 20% darker color. If you saturate the color by 10%, you get **31.4353, 18.7397, 2.9973**, and if you desaturate by 10%, it is **35.0218, 24.4095, 8.8270**.

Distribution



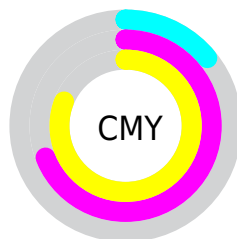
- Red (86%)
- Green (31%)
- Blue (19%)



- Red (86%)
- Yellow (34%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (14%)





- Cyan (14%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9382, 21.1747, 5.2568 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 32.9382, 21.1747, 5.2568 by changing the saturation by 10% instead.

 32.9382, 21.1747,
5.2568


 32.9382, 21.1747,
5.2568


307.0411,
258.2055, 161.3106


 22.2381, 13.2518,
2.3373


 63.6344, 45.3781,
16.8178

 14.1496, 7.6021,
0.7520


 84.3611, 62.4274,
26.2965


 8.3072, 3.8414,
0.0000


 109.1609, 83.2875,
38.7987

 4.3456, 1.5853,
0.0000

 138.3989,
108.3429, 54.7428

 1.8994, 0.3476,
0.0000

 172.4406,
137.9781, 74.5476

 0.5765, 0.0000,
0.0000

 211.6513,

 0.0000, 0.0000,

172.5773, 98.6314

0.0000

256.3963,
212.5249, 127.4129

■ 32.9382, 21.1747,
5.2568

■ 32.9382, 21.1747,
5.2568

■ 31.4353, 18.7397,
2.9973

■ 35.0218, 24.4095,
8.8270

■ 30.4426, 17.0269,
1.8256

■ 37.7396, 28.5036,
13.8688

■ 30.2702, 16.7259,
1.6330

■ 41.1402, 33.5148,
20.5205

■ 45.2669, 39.4948,
28.9046

■ 50.1593, 46.4914,
39.1312

■ 55.8542, 54.5491,
51.3015

■ 62.3857, 63.7099,
65.5093

■ 69.7864, 74.0133,
81.8422

■ 78.0866, 85.4971,
100.3828

Harmonies

Analogous

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



37.6683, 21.1747, 16.0417



32.9382, 21.1747, 5.2568



25.1235, 21.1747, 1.9636

Triad

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



32.9382, 21.1747, 5.2568



9.4042, 21.1747, 12.1697



23.0035, 21.1747, 91.0974

Complementary

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



32.9382, 21.1747, 5.2568



32.3805, 42.2116, 74.1506

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.



15.8393, 21.1747, 87.5341



32.9382, 21.1747, 5.2568



9.1037, 21.1747, 31.8636

Square

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



32.9382, 21.1747, 5.2568



12.1157, 21.1747, 3.9170



11.1594, 21.1747, 61.7964



31.0611, 21.1747, 69.7295

Rectangle

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



32.9382, 21.1747, 5.2568



19.8548, 21.1747, 1.5674



11.1594, 21.1747, 61.7964



20.3995, 21.1747, 93.0034

Sweetspot

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



32.9387, 21.1759, 5.2571



73.5530, 69.8800, 62.0452



40.0723, 21.1958, 51.5581



15.1434, 14.1064, 12.0041



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.



32.9387, 21.1759, 5.2571



43.0089, 24.6251, 3.0521



43.1665, 41.6316, 8.6664



13.2461, 13.4315, 13.6200



17.8238, 9.9332, 0.9779



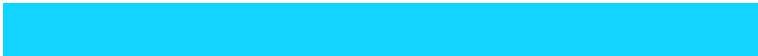
1.2126, 0.7592, 0.0826

Inverse Universe

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



32.3805, 42.2116, 74.1506



41.8392, 54.4322, 102.9091



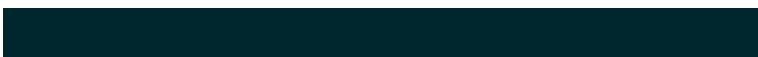
19.3389, 16.1284, 69.8034



13.2336, 14.4070, 16.7355



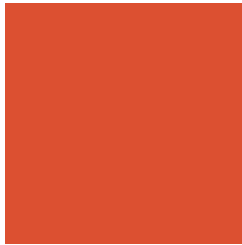
17.2481, 22.3657, 43.1463



1.1708, 1.5558, 2.8130

Previews

White Background



This preview shows how the XYZ color 32.9382, 21.1747, 5.2568 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 32.9382, 21.1747, 5.2568 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 32.9382, 21.1747, 5.2568

Background



This preview shows how black text looks on a background with the XYZ color 32.9382, 21.1747, 5.2568.



This preview shows how white text looks on a background with the XYZ color 32.9382, 21.1747,

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

32.9382, 21.1747, 5.2568

Protanopia

19.6009, 21.4599, 7.8117

Deuteranopia

21.6844, 21.2883, 4.7999



Tritanopia

33.8884, 21.1351, 10.0779

Trichromacy



Original Color

32.9382, 21.1747, 5.2568

Protanomaly

23.0257, 20.2204, 6.6923

Deuteranomaly

24.8634, 20.4203, 4.8216

Tritanomaly

33.5468, 21.1096, 7.9367

Monochromacy



Original Color

32.9382, 21.1747, 5.2568

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.4437, 17.6595, 12.6871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9382, 21.1747, 5.2568 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, 80, 49)` looks like.

```
.text, #text, p{  
    color:rgb(220, 80, 49)  
}
```

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, 80, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 80, 49) }
```

Border

The CSS property to change the border of an element to XYZ 32.9382, 21.1747, 5.2568 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, 80, 49) }
```


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

```
.border{ border-color:rgb(220, 80, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 80, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 80, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 80, 49);  
box-shadow:4px 4px 4px 4px rgb(220, 80,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9382, 21.1747, 5.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 80, 49) }
```

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

```
.background{ background-color: rgb(220, 80,  
49) }
```

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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