

Converting Colors

XYZ(32.7675, 21.0407, 1.4354)

Have a look what the booklet for
XYZ(32.7675, 21.0407, 1.4354)
contains.

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Color

**XYZ(32.9202, 21.1216,
2.3418)**

Conversions

Conversions Part 1

Format	Color
Hex	DE4F00
RGB	222, 79, 0
RGB Percent	87%, 31%, 0%
CMY	0.1294, 0.6902, 1.0000
CMYK	0.00, 0.64, 1.00, 0.13
HSL	21°, 100%, 44%
HSV	21°, 100%, 87%
XYZ	32.9202, 21.1216, 2.3418
YIQ	112.7510, 110.5870, 5.7470

Conversions

Conversions Part 2

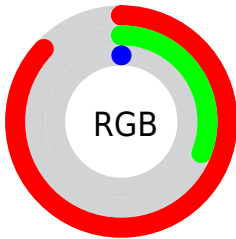
Format	Color
RYB	222, 123, 0
Decimal	14569216
CIELab	53.08, 53.37, 63.49
CIELCh	53, 82.940, 49.949
Yxy	21.1216, 0.5839, 0.3746
Android (android.graphics.Color)	4292759296 (0xFFDE4F00)
YUV	112.7510, -55.5862, 95.8114
Hunter-Lab	45.9582, 47.4338, 29.1497

Details

The XYZ color **32.9202, 21.1216, 2.3418** 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 **23.0063, 24.9170, 72.7036**, and the grayscale version is **15.7599, 16.5807, 18.0564**.

A 20% lighter version of the original color is **50.6346, 38.6580, 9.3504**, and **14.2858, 7.6397, 0.7217** is the 20% darker color. If you saturate the color by 10%, you get **32.9204, 21.1224, 2.3419**, and if you desaturate by 10%, it is **34.2123, 23.4712, 3.4966**.

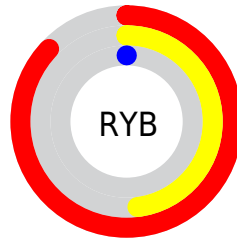
Distribution



Red (87%)

Green (31%)

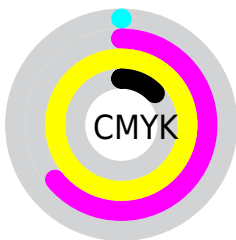
Blue (0%)



Red (87%)

Yellow (48%)

Blue (0%)

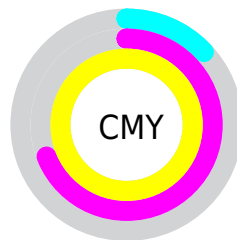


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9202, 21.1216, 2.3418 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 32.9202, 21.1216, 2.3418 by changing the saturation by 10% instead.


 32.9202, 21.1216,
2.3418


 32.9202, 21.1216,
2.3418


306.9613,
257.9240, 127.4769


 22.2243, 13.2129,
0.7545


 63.6064, 45.2898,
9.9558


 14.1393, 7.5753,
0.0000


 84.3274, 62.3182,
16.8344

 8.3000, 3.8244,
0.0000


 109.1208, 83.1552,
26.3188

 4.3409, 1.5758,
0.0000

 138.3520,
108.1852, 38.8276

 1.8967, 0.3412,
0.0000

 172.3863,
137.7927, 54.7793

 0.5749, 0.0000,
0.0000


 211.5890,


 0.0000, 0.0000,


172.3621, 74.5923


0.0000


 256.3256,
212.2778, 98.6854


 32.9202, 21.1216,
2.3418

 32.9202, 21.1216,
2.3418


 32.9204, 21.1224,
2.3419

 34.2123, 23.4712,
3.4966

 35.9075, 26.3570,
5.6178

 38.0734, 29.8263,
8.9985

 40.7522, 33.9140,
13.8063

 43.9806, 38.6517,
20.1826

■ 47.7917, 44.0686,
28.2514

■ 52.2153, 50.1916,
38.1243

■ 57.2794, 57.0465,
49.9033

■ 63.0098, 64.6573,
63.6824

Harmonies

Analogous

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



40.3332, 21.1216, 10.1923



32.9202, 21.1216, 2.3418



23.1478, 21.1216, 0.6889

Triad

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



32.9202, 21.1216, 2.3418



7.6737, 21.1216, 15.5907



26.3600, 21.1216, 104.1687

Complementary

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



32.9202, 21.1216, 2.3418



23.0063, 24.9170, 72.7036

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.



17.2877, 21.1216, 110.1528



32.9202, 21.1216, 2.3418



8.0750, 21.1216, 43.5919

Square

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



32.9202, 21.1216, 2.3418



9.7777, 21.1216, 3.8665



11.1001, 21.1216, 82.8591



35.8489, 21.1216, 69.8334

Rectangle

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



32.9202, 21.1216, 2.3418



17.3144, 21.1216, 0.6871



11.1001, 21.1216, 82.8591



23.1154, 21.1216, 110.1951

Sweetspot

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



32.9207, 21.1228, 2.3421



71.3315, 68.5050, 51.8464



35.1811, 17.5524, 28.0400



14.6965, 13.8769, 9.8070



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.



32.9207, 21.1228, 2.3421



44.9599, 28.6998, 3.1700



48.2571, 51.7957, 7.4543



14.1044, 14.4947, 14.3612



19.6496, 12.7372, 1.4229



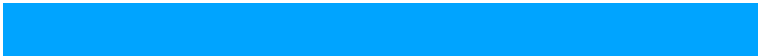
1.4445, 1.0478, 0.1261

Inverse Universe

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



23.0063, 24.9170, 72.7036



31.3700, 33.8599, 99.4900



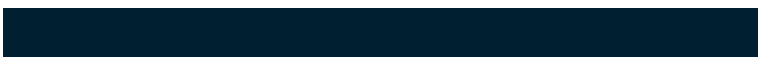
13.7371, 6.3786, 69.6138



13.6848, 14.7087, 17.5055



13.7737, 15.0170, 43.2210



1.0383, 1.2080, 3.0237

Previews

White Background



This preview shows how the XYZ color 32.9202, 21.1216, 2.3418 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 32.9202, 21.1216, 2.3418 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 32.9202, 21.1216, 2.3418

Background



This preview shows how black text looks on a background with the XYZ color 32.9202, 21.1216, 2.3418.



This preview shows how white text looks on a background with the XYZ color 32.9202, 21.1216,

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

32.9202, 21.1216, 2.3418

Protanopia

19.2015, 21.3398, 3.9176

Deuteranopia

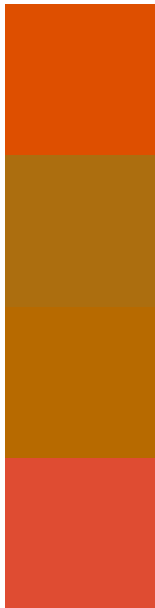
21.5353, 21.2518, 2.9670



Tritanopia

34.5644, 21.2949, 9.4963

Trichromacy



Original Color

32.9202, 21.1216, 2.3418

Protanomaly

22.6754, 19.9570, 3.1089

Deuteranomaly

24.6825, 20.3753, 2.6319

Tritanomaly

33.5916, 21.0871, 5.3174

Monochromacy



Original Color

32.9202, 21.1216, 2.3418

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.9602, 16.5475, 8.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9202, 21.1216, 2.3418 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, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 79, 0)  
}
```

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, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9202, 21.1216, 2.3418 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, 79, 0) }
```


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

```
.border{ border-color:rgb(222, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.9202, 21.1216, 2.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 79, 0) }
```

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

```
.background{ background-color: rgb(222, 79,  
0) }
```

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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