

Converting Colors

XYZ(32.3616, 21.2226, 2.3907)

Have a look what the booklet for
XYZ(32.3616, 21.2226, 2.3907)
contains.

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Color

**XYZ(32.3067, 21.2466,
2.3983)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5300
RGB	219, 83, 0
RGB Percent	86%, 33%, 0%
CMY	0.1412, 0.6745, 1.0000
CMYK	0.00, 0.62, 1.00, 0.14
HSL	23°, 100%, 43%
HSV	23°, 100%, 86%
XYZ	32.3067, 21.2466, 2.3983
YIQ	114.2020, 107.6990, 3.0190

Conversions

Conversions Part 2

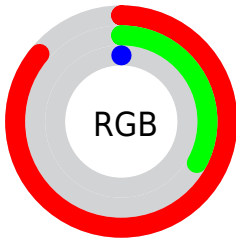
Format	Color
RYB	219, 134, 0
Decimal	14373632
CIELab	53.22, 50.59, 63.28
CIELCh	53, 81.015, 51.359
Yxy	21.2466, 0.5774, 0.3797
Android (android.graphics.Color)	4292563712 (0xFFDB5300)
YUV	114.2020, -56.3016, 91.9078
Hunter-Lab	46.0940, 44.4437, 29.1809

Details

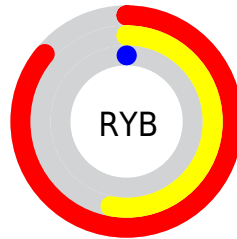
The XYZ color **32.3067, 21.2466, 2.3983** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.5898, 22.7218, 70.2651**, and the grayscale version is **16.1973, 17.0409, 18.5575**.

A 20% lighter version of the original color is **51.0552, 39.4991, 9.4906**, and **13.8652, 7.6638, 0.7485** is the 20% darker color. If you saturate the color by 10%, you get **32.3068, 21.2473, 2.3984**, and if you desaturate by 10%, it is **33.5957, 23.5947, 3.5378**.

Distribution



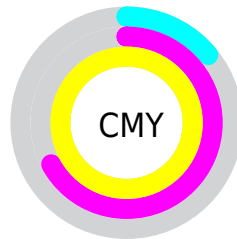
- Red (86%)
- Green (33%)
- Blue (0%)



- Red (86%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (14%)





- Cyan (14%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3067, 21.2466, 2.3983 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 32.3067, 21.2466, 2.3983 by changing the saturation by 10% instead.


 32.3067, 21.2466,
2.3983


 32.3067, 21.2466,
2.3983


304.2345,
258.5861, 128.2837


 21.7525, 13.3044,
0.7855


 62.6535, 45.4976,
10.1036

 13.7908, 7.6385,
0.0000


 83.1769, 62.5751,
17.0441


 8.0560, 3.8645,
0.0000


 107.7541, 83.4666,
26.6011

 4.1829, 1.5981,
0.0000

 136.7505,
108.5563, 39.1932

 1.8061, 0.3563,
0.0000

 170.5314,
138.2288, 55.2390

 0.5214, 0.0000,
0.0000


 209.4621,


 0.0000, 0.0000,


172.8683, 75.1570


0.0000


 253.9080,
212.8593, 99.3657


 32.3067, 21.2466,
2.3983


 32.3067, 21.2466,
2.3983


 32.3068, 21.2473,
2.3984

 33.5957, 23.5947,
3.5378

 35.2625, 26.4371,
5.6081

 37.3714, 29.8168,
8.8944

 39.9619, 33.7651,
13.5582

 43.0684, 38.3101,
19.7357

■ 46.7215, 43.4778,
27.5467

■ 50.9494, 49.2923,
37.0984

■ 55.7779, 55.7765,
48.4894

■ 61.2313, 62.9519,
61.8103

Harmonies

Analogous

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



39.7158, 21.2466, 9.8675



32.3067, 21.2466, 2.3983



22.7679, 21.2466, 0.8152

Triad

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



32.3067, 21.2466, 2.3983



7.9059, 21.2466, 16.7532



26.7979, 21.2466, 100.5968

Complementary

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



32.3067, 21.2466, 2.3983



21.5898, 22.7218, 70.2651

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.



17.8222, 21.2466, 107.9663



32.3067, 21.2466, 2.3983



8.4214, 21.2466, 44.8855

Square

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



32.3067, 21.2466, 2.3983



9.8777, 21.2466, 4.4234



11.5653, 21.2466, 82.8935



35.9613, 21.2466, 66.7855

Rectangle

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



32.3067, 21.2466, 2.3983



17.1243, 21.2466, 0.8619



11.5653, 21.2466, 82.8935



23.6108, 21.2466, 106.8859

Sweetspot

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



32.3072, 21.2478, 2.3986



71.7591, 69.3604, 51.9890



33.8517, 16.9155, 25.7928



14.7964, 14.0768, 9.8403



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.



32.3072, 21.2478, 2.3986



45.4824, 29.7449, 3.3441



47.5834, 51.8004, 7.4907



13.4585, 13.8563, 13.6908



19.2542, 12.7939, 1.4547



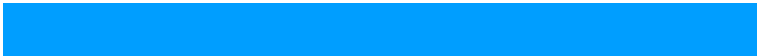
1.3289, 0.9918, 0.1214

Inverse Universe

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



21.5898, 22.7218, 70.2651



30.3366, 31.7932, 99.1455



13.2306, 6.0033, 67.4787



13.0087, 13.9572, 16.6605



12.9103, 13.6899, 41.7004



0.9185, 1.0510, 2.7289

Previews

White Background



This preview shows how the XYZ color 32.3067, 21.2466, 2.3983 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 32.3067, 21.2466, 2.3983 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 32.3067, 21.2466, 2.3983

Background



This preview shows how black text looks on a background with the XYZ color 32.3067, 21.2466, 2.3983.



This preview shows how white text looks on a background with the XYZ color 32.3067, 21.2466,

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

32.3067, 21.2466, 2.3983

Protanopia

19.3656, 21.4256, 3.8739

Deuteranopia

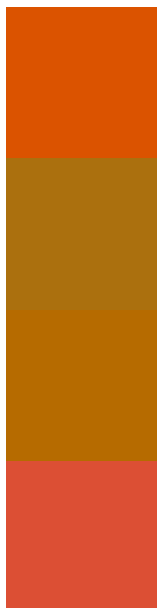
21.5353, 21.2518, 2.9670



Tritanopia

33.9957, 21.2891, 10.3001

Trichromacy



Original Color

32.3067, 21.2466, 2.3983

Protanomaly

22.6680, 20.2780, 3.1348

Deuteranomaly

24.5491, 20.4605, 2.6554

Tritanomaly

32.9310, 21.0555, 5.5773

Monochromacy



Original Color

32.3067, 21.2466, 2.3983

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0017, 16.8569, 8.5555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3067, 21.2466, 2.3983 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 83, 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(219, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3067, 21.2466, 2.3983 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, 83, 0) }
```


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

```
.border{ border-color:rgb(219, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3067, 21.2466, 2.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 83, 0) }
```

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

```
.background{ background-color: rgb(219, 83,  
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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