

Converting Colors

XYZ(32.2578, 21.0749, 4.4437)

Have a look what the booklet for
XYZ(32.2578, 21.0749, 4.4437)
contains.

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Color

**XYZ(32.3310, 21.1001,
4.4665)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5229
RGB	218, 82, 41
RGB Percent	85%, 32%, 16%
CMY	0.1451, 0.6784, 0.8392
CMYK	0.00, 0.62, 0.81, 0.15
HSL	14°, 71%, 51%
HSV	14°, 81%, 85%
XYZ	32.3310, 21.1001, 4.4665
YIQ	117.9900, 94.2170, 16.0810

Conversions

Conversions Part 2

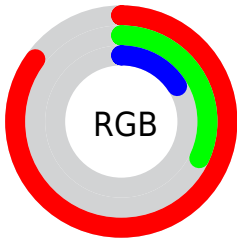
Format	Color
R_{YB}	218, 94, 41
Decimal	14307881
CIE Lab	53.06, 51.36, 50.09
CIE LCh	53, 71.744, 44.282
Yxy	21.1001, 0.5584, 0.3644
Android (android.graphics.Color)	4292497961 (0xFFDA5229)
YUV	117.9900, -37.9561, 87.7088
Hunter-Lab	45.9348, 45.2503, 26.3893

Details

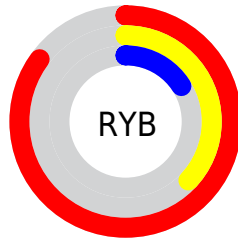
The XYZ color **32.3310, 21.1001, 4.4665** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **29.2899, 36.9745, 71.9223**, and the grayscale version is **17.3121, 18.2137, 19.8347**.

A 20% lighter version of the original color is **51.8896, 39.6065, 14.5828**, and **13.8240, 7.5814, 0.7347** is the 20% darker color. If you saturate the color by 10%, you get **30.9378, 18.7635, 2.6163**, and if you desaturate by 10%, it is **34.2439, 24.1399, 7.5282**.

Distribution



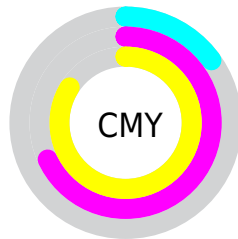
- Red (85%)
- Green (32%)
- Blue (16%)



- Red (85%)
- Yellow (37%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (81%)
- Black (15%)





- Cyan (15%)
- Magenta (68%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3310, 21.1001, 4.4665 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 32.3310, 21.1001, 4.4665 by changing the saturation by 10% instead.

 32.3310, 21.1001,
4.4665


 32.3310, 21.1001,
4.4665


304.3429,
257.8100, 153.2774


 21.7712, 13.1972,
1.8846


 62.6913, 45.2541,
15.0721

 13.8046, 7.5645,
0.4829


 83.2226, 62.2739,
23.9329

 8.0656, 3.8176,
0.0000


 107.8084, 83.1015,
35.7237

 4.1891, 1.5720,
0.0000

 136.8141,
108.1213, 50.8631

 1.8097, 0.3386,
0.0000

 170.6050,
137.7177, 69.7697

 0.5235, 0.0000,
0.0000

 209.5466,

 0.0000, 0.0000,

172.2750, 92.8619

0.0000

254.0041,
212.1776, 120.5583

■ 32.3310, 21.1001,
4.4665

■ 32.3310, 21.1001,
4.4665

■ 30.9378, 18.7635,
2.6163

■ 34.2439, 24.1399,
7.5282

■ 30.0756, 17.2301,
1.7406

■ 36.7259, 27.9323,
11.9673

■ 39.8218, 32.5265,
17.9247

■ 43.5711, 37.9658,
25.5232

■ 48.0101, 44.2908,
34.8731

■ 53.1720, 51.5391,
46.0751

■ 59.0879, 59.7461,
59.2221

■ 65.7872, 68.9454,
74.4007

■ 73.2975, 79.1691,
91.6926

Harmonies

Analogous

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



37.6459, 21.1001, 14.1769



32.3310, 21.1001, 4.4665



24.2456, 21.1001, 1.7019

Triad

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



32.3310, 21.1001, 4.4665



9.0843, 21.1001, 13.4601



23.8491, 21.1001, 91.2967

Complementary

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



32.3310, 21.1001, 4.4665



29.2899, 36.9745, 71.9223

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.



16.3774, 21.1001, 90.6221



32.3310, 21.1001, 4.4665



9.0289, 21.1001, 34.8176

Square

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



32.3310, 21.1001, 4.4665



11.5387, 21.1001, 4.2239



11.3618, 21.1001, 65.8790



31.9787, 21.1001, 67.3766

Rectangle

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



32.3310, 21.1001, 4.4665



18.9918, 21.1001, 1.4608



11.3618, 21.1001, 65.8790



21.1572, 21.1001, 94.2574

Sweetspot

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



32.3315, 21.1013, 4.4668



73.5059, 70.2475, 60.6062



37.9088, 19.7723, 44.8116



15.1655, 14.2387, 11.7395



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.



32.3315, 21.1013, 4.4668



43.1697, 25.0524, 2.7800



43.2885, 43.0153, 8.1192



13.2996, 13.5386, 13.6378



18.0868, 10.4592, 1.0656



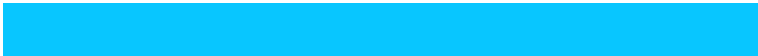
1.2377, 0.8096, 0.0910

Inverse Universe

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



29.2899, 36.9745, 71.9223



38.2698, 47.5175, 101.7625



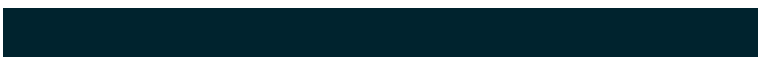
17.3233, 13.0413, 67.9335



13.1758, 14.2914, 16.7162



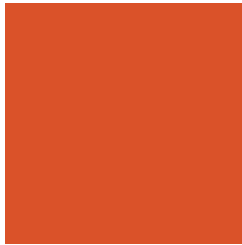
16.0002, 19.8697, 42.7303



1.1001, 1.4142, 2.7894

Previews

White Background



This preview shows how the XYZ color 32.3310, 21.1001, 4.4665 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 32.3310, 21.1001, 4.4665 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 32.3310, 21.1001, 4.4665

Background



This preview shows how black text looks on a background with the XYZ color 32.3310, 21.1001, 4.4665.



This preview shows how white text looks on a background with the XYZ color 32.3310, 21.1001,

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

32.3310, 21.1001, 4.4665

Protanopia

19.3873, 21.1866, 6.4358

Deuteranopia

21.5442, 21.2322, 4.0613



Tritanopia

33.3903, 20.9770, 10.2717

Trichromacy



Original Color

32.3310, 21.1001, 4.4665

Protanomaly

22.8164, 20.1367, 5.5899

Deuteranomaly

24.5883, 20.4490, 4.0899

Tritanomaly

33.0225, 21.0573, 7.6342

Monochromacy



Original Color

32.3310, 21.1001, 4.4665

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.2235, 17.7114, 12.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3310, 21.1001, 4.4665 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(218, 82, 41)` looks like.

```
.text, #text, p{  
    color:rgb(218, 82, 41)  
}
```

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(218, 82, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 82, 41) }
```

Border

The CSS property to change the border of an element to XYZ 32.3310, 21.1001, 4.4665 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(218, 82, 41) }
```


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

```
.border{ border-color:rgb(218, 82, 41) }
```

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

Here you see how a box with a 4 pixel rgb(218, 82, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 82, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 82, 41);  
box-shadow:4px 4px 4px 4px rgb(218, 82,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3310, 21.1001, 4.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 82, 41) }
```

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

```
.background{ background-color: rgb(218, 82,  
41) }
```

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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