

# Converting Colors

XYZ(32.3431, 21.2357, 4.1282)

Have a look what the booklet for  
XYZ(32.3431, 21.2357, 4.1282)  
contains.

<b>XYZ(32.3406, 21.2255, 4.1427)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.3406, 21.2255,  
4.1427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA5325
RGB	218, 83, 37
RGB Percent	85%, 33%, 15%
CMY	0.1451, 0.6745, 0.8549
CMYK	0.00, 0.62, 0.83, 0.15
HSL	15°, 71%, 50%
HSV	15°, 83%, 85%
XYZ	32.3406, 21.2255, 4.1427
YIQ	118.1210, 95.2260, 14.3140

# Conversions

## Conversions Part 2

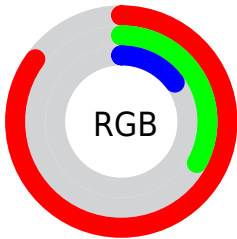
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 99, 37
Decimal	14308133
CIE <sub>Lab</sub>	53.20, 50.81, 52.04
CIE <sub>LCh</sub>	53, 72.727, 45.683
Yxy	21.2255, 0.5604, 0.3678
Android (android.graphics.Color)	4292498213 (0xFFDA5325)
YUV	118.1210, -39.9927, 87.5939
Hunter-Lab	46.0711, 44.6773, 26.9185

# Details

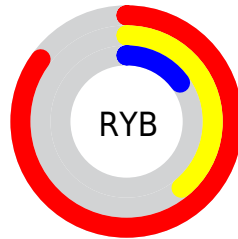
The XYZ color **32.3406, 21.2255, 4.1427** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **28.1689, 34.9575, 71.5919**, and the grayscale version is **17.3593, 18.2634, 19.8888**.

A 20% lighter version of the original color is **51.8654, 39.8232, 13.7571**, and **13.8652, 7.6638, 0.7485** is the 20% darker color. If you saturate the color by 10%, you get **30.9932, 18.9250, 2.4789**, and if you desaturate by 10%, it is **34.1847, 24.1934, 6.9789**.

# Distribution



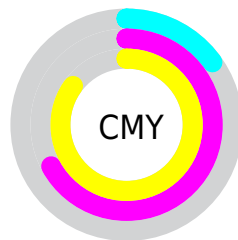
- Red (85%)
- Green (33%)
- Blue (15%)



- Red (85%)
- Yellow (39%)
- Blue (15%)



- Cyan (0%)
- Magenta (62%)
- Yellow (83%)
- Black (15%)




- Cyan (15%)
- Magenta (67%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3406, 21.2255, 4.1427 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 32.3406, 21.2255, 4.1427 by changing the saturation by 10% instead.





 32.3406, 21.2255,  
4.1427


 32.3406, 21.2255,  
4.1427


304.3857,  
258.4745, 149.7985


 21.7786, 13.2889,  
1.7040


 62.7063, 45.4625,  
14.3376

 13.8100, 7.6278,  
0.3634


 83.2406, 62.5318,  
22.9307


 8.0694, 3.8577,  
0.0000


 107.8298, 83.4140,  
34.4125

 4.1916, 1.5943,  
0.0000

 136.8392,  
108.4937, 49.2013

 1.8111, 0.3538,  
0.0000

 170.6341,  
138.1552, 67.7158

 0.5243, 0.0000,  
0.0000

 209.5799,

 0.0000, 0.0000,

172.7829, 90.3745

0.0000

254.0420,  
212.7612, 117.5959

■ 32.3406, 21.2255,  
4.1427

■ 32.3406, 21.2255,  
4.1427

■ 30.9932, 18.9250,  
2.4789

■ 34.1847, 24.1934,  
6.9789

■ 30.2990, 17.6770,  
1.8151

■ 36.5744, 27.8752,  
11.1593

■ 39.5536, 32.3168,  
16.8282

■ 43.1608, 37.5591,  
24.1106

■ 47.4312, 43.6399,  
33.1182

■ 52.3973, 50.5945,  
43.9530

■ 58.0893, 58.4563,  
56.7087

■ 64.5354, 67.2566,  
71.4726

■ 71.7626, 77.0254,  
88.3267

# Harmonies

## Analogous

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



37.9793, 21.2255, 13.4653



32.3406, 21.2255, 4.1427



24.0481, 21.2255, 1.5850

# Triad

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



32.3406, 21.2255, 4.1427



8.9871, 21.2255, 14.1556



24.4322, 21.2255, 92.3577

# Complementary

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



32.3406, 21.2255, 4.1427



28.1689, 34.9575, 71.5919

# 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.



16.7404, 21.2255, 93.0159



32.3406, 21.2255, 4.1427



9.0403, 21.2255, 36.5220

# Square

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



32.3406, 21.2255, 4.1427



11.3502, 21.2255, 4.3734



11.5206, 21.2255, 68.4585



32.6825, 21.2255, 66.9995



# Rectangle

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



32.3406, 21.2255, 4.1427



18.7478, 21.2255, 1.4070



11.5206, 21.2255, 68.4585



21.6712, 21.2255, 95.8398

# Sweetspot

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



32.3411, 21.2267, 4.1430



73.0946, 69.8787, 59.0700



37.0935, 19.2360, 41.1663



15.1000, 14.1945, 11.4503



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.



32.3411, 21.2267, 4.1430



43.1198, 25.0196, 2.5566



44.1428, 44.8302, 8.0769



13.3237, 13.5867, 13.6458



18.2257, 10.7369, 1.1118



1.2497, 0.8335, 0.0950



# Inverse Universe

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



28.1689, 34.9575, 71.5919



36.5031, 44.1262, 101.2010



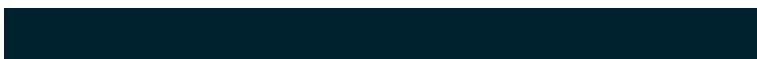
16.4541, 11.5278, 67.6869



13.1501, 14.2399, 16.7076



15.4747, 18.8188, 42.5552



1.0699, 1.3539, 2.7794



# Previews

## White Background



This preview shows how the XYZ color 32.3406, 21.2255, 4.1427 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 32.3406, 21.2255, 4.1427 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 32.3406, 21.2255, 4.1427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.3406, 21.2255, 4.1427.



This preview shows how white text looks on a background with the XYZ color 32.3406, 21.2255,



# 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

32.3406, 21.2255, 4.1427

### Protanopia

19.4289, 21.4109, 6.0144

### Deuteranopia

21.6801, 21.3097, 3.7296



## Tritanopia

33.8009, 21.2890, 10.5113

# Trichromacy



## Original Color

32.3406, 21.2255, 4.1427

## Protanomaly

22.8454, 20.3239, 5.2014

## Deuteranomaly

24.7469, 20.5396, 3.6971

## Tritanomaly

33.0654, 21.1907, 7.5017

# Monochromacy



## Original Color

32.3406, 21.2255, 4.1427

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

20.1812, 17.6944, 11.8029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.3406, 21.2255, 4.1427 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, 83, 37)` looks like.

```
.text, #text, p{  
    color:rgb(218, 83, 37)  
}
```

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, 83, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 83, 37) }
```

## Border

The CSS property to change the border of an element to XYZ 32.3406, 21.2255, 4.1427 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, 83, 37) }
```



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

```
.border{ border-color:rgb(218, 83, 37) }
```

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

Here you see how a box with a 4 pixel rgb(218, 83, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 83, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 83, 37);  
box-shadow:4px 4px 4px 4px rgb(218, 83,  
37) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.3406, 21.2255, 4.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 83, 37) }
```

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

```
.background{ background-color: rgb(218, 83,  
37) }
```

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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