

Converting Colors

XYZ(33.1215, 24.3746, 5.0431)

Have a look what the booklet for
XYZ(33.1215, 24.3746, 5.0431)
contains.

XYZ(33.0821, 24.3569, 5.0555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0821, 24.3569,
5.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	D66829
RGB	214, 104, 41
RGB Percent	84%, 41%, 16%
CMY	0.1608, 0.5921, 0.8392
CMYK	0.00, 0.51, 0.81, 0.16
HSL	22°, 68%, 50%
HSV	22°, 81%, 84%
XYZ	33.0821, 24.3569, 5.0555
YIQ	129.7080, 85.7830, 3.7270

Conversions

Conversions Part 2

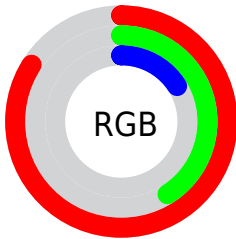
Format	Color
R_{YB}	214, 140, 41
Decimal	14051369
CIE Lab	56.44, 39.46, 53.02
CIE LCh	56, 66.089, 53.343
Yxy	24.3569, 0.5294, 0.3897
Android (android.graphics.Color)	4292241449 (0xFFD66829)
YUV	129.7080, -43.7330, 73.9241
Hunter-Lab	49.3527, 33.2848, 28.4735

Details

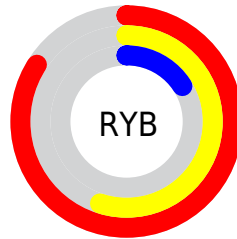
The XYZ color **33.0821, 24.3569, 5.0555** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **24.1175, 27.4575, 67.6465**, and the grayscale version is **21.2441, 22.3504, 24.3396**.

A 20% lighter version of the original color is **55.1853, 46.1293, 15.8928**, and **14.2220, 9.2216, 1.0304** is the 20% darker color. If you saturate the color by 10%, you get **31.5442, 21.7253, 3.1742**, and if you desaturate by 10%, it is **35.0449, 27.5142, 8.0791**.

Distribution



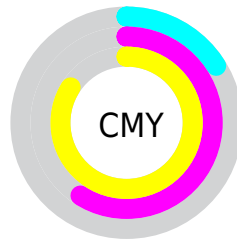
- Red (84%)
- Green (41%)
- Blue (16%)



- Red (84%)
- Yellow (55%)
- Blue (16%)



- Cyan (0%)
- Magenta (51%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (59%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0821, 24.3569, 5.0555 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 33.0821, 24.3569, 5.0555 by changing the saturation by 10% instead.


 33.0821, 24.3569,
5.0555


 33.0821, 24.3569,
5.0555


307.6780,
274.6199, 159.3201


 22.3489, 15.5986,
2.2206


 63.8575, 50.6120,
16.3789

 14.2315, 9.2406,
0.6862


 84.6304, 68.8775,
25.7045

 8.3646, 4.8984,
0.0000


 109.4806, 91.0810,
38.0307

 4.3829, 2.1878,
0.0000

 138.7734,
117.6067, 53.7761

 1.9210, 0.7133,
0.0000

 172.8742,
148.8390, 73.3592

 0.5890, 0.0000,
0.0000

 212.1483,

 0.0000, 0.0000,

185.1624, 97.1985

0.0000

256.9611,
226.9612, 125.7127

■ 33.0821, 24.3569,
5.0555

■ 33.0821, 24.3569,
5.0555

■ 31.5442, 21.7253,
3.1742

■ 35.0449, 27.5142,
8.0791

■ 30.4514, 19.7361,
2.2045

■ 37.4696, 31.2246,
12.3988

■ 40.3902, 35.5176,
18.1457

■ 43.8367, 40.4192,
25.4339

■ 47.8364, 45.9535,
34.3661

■ 52.4144, 52.1435,
45.0360

■ 57.5943, 59.0107,
57.5301

■ 63.3983, 66.5756,
71.9292

■ 69.8474, 74.8578,
88.3092

Harmonies

Analogous

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



39.4395, 24.3569, 13.0926



33.0821, 24.3569, 5.0555



24.8967, 24.3569, 2.8322

Triad

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



33.0821, 24.3569, 5.0555



11.4044, 24.3569, 21.9335



29.4771, 24.3569, 86.9921

Complementary

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



33.0821, 24.3569, 5.0555



24.1175, 27.4575, 67.6465

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.



21.4879, 24.3569, 94.1610



33.0821, 24.3569, 5.0555



12.1070, 24.3569, 46.9430

Square

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



33.0821, 24.3569, 5.0555



13.2471, 24.3569, 8.4906



15.4368, 24.3569, 76.6568



37.0584, 24.3569, 60.4300

Rectangle

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



33.0821, 24.3569, 5.0555



19.9212, 24.3569, 3.0285



15.4368, 24.3569, 76.6568



26.7113, 24.3569, 92.1907

Sweetspot

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



33.0826, 24.3582, 5.0559



75.5338, 74.3035, 61.2822



34.3113, 18.1968, 32.0362



15.6444, 15.1966, 11.8991



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.



33.0826, 24.3582, 5.0559



45.6248, 29.9626, 3.5983



46.1254, 50.4437, 9.4035



12.7899, 13.1539, 13.0256



18.4967, 12.1107, 1.3627



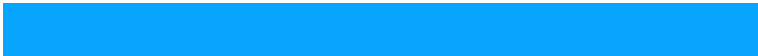
1.1932, 0.8855, 0.1080

Inverse Universe

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



24.1175, 27.4575, 67.6465



31.5856, 34.1490, 99.5344



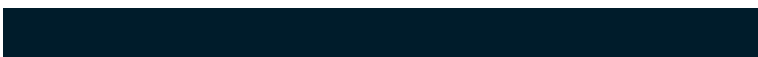
15.0563, 9.3349, 64.6261



12.3942, 13.3119, 15.8537



12.7653, 13.7923, 40.4425



0.8474, 0.9869, 2.4651

Previews

White Background



This preview shows how the XYZ color 33.0821, 24.3569, 5.0555 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 33.0821, 24.3569, 5.0555 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 33.0821, 24.3569, 5.0555

Background



This preview shows how black text looks on a background with the XYZ color 33.0821, 24.3569, 5.0555.



This preview shows how white text looks on a background with the XYZ color 33.0821, 24.3569,

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

33.0821, 24.3569, 5.0555

Protanopia

22.3288, 24.5140, 6.5724

Deuteranopia

24.9056, 24.4627, 4.7756



Tritanopia

35.4816, 24.4866, 15.9530

Trichromacy



Original Color

33.0821, 24.3569, 5.0555

Protanomaly

25.3999, 23.7345, 5.9318

Deuteranomaly

27.5134, 24.1191, 4.7954

Tritanomaly

34.3613, 24.3074, 10.6653

Monochromacy



Original Color

33.0821, 24.3569, 5.0555

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.7399, 22.1337, 14.5763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0821, 24.3569, 5.0555 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(214, 104, 41)` looks like.

```
.text, #text, p{  
    color:rgb(214, 104, 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(214, 104, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 104, 41) }
```

Border

The CSS property to change the border of an element to XYZ 33.0821, 24.3569, 5.0555 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(214, 104, 41) }
```


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

```
.border{ border-color:rgb(214, 104, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 104, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 104, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 104, 41);  
box-shadow:4px 4px 4px 4px rgb(214, 104,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0821, 24.3569, 5.0555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 104, 41) }
```

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

```
.background{ background-color: rgb(214,  
104, 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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