

Converting Colors

XYZ(33.2341, 22.8148, 3.1181)

Have a look what the booklet for
XYZ(33.2341, 22.8148, 3.1181)
contains.

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Color

**XYZ(33.1268, 22.7489,
3.0969)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5C0F
RGB	219, 92, 15
RGB Percent	86%, 36%, 6%
CMY	0.1412, 0.6392, 0.9412
CMYK	0.00, 0.58, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.1268, 22.7489, 3.0969
YIQ	121.1950, 100.4090, 2.9770

Conversions

Conversions Part 2

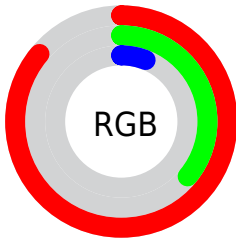
Format	Color
R_{YB}	219, 139, 15
Decimal	14375951
CIE _{Lab}	54.81, 46.64, 61.04
CIE _{LCh}	55, 76.822, 52.615
Yxy	22.7489, 0.5617, 0.3858
Android (android.graphics.Color)	4292566031 (0xFFDB5C0F)
YUV	121.1950, -52.3541, 85.7750
Hunter-Lab	47.6958, 40.5083, 29.5374

Details

The XYZ color **33.1268, 22.7489, 3.0969** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **22.6552, 24.5601, 70.5638**, and the grayscale version is **18.3795, 19.3367, 21.0577**.

A 20% lighter version of the original color is **52.6562, 42.2727, 11.3454**, and **14.4034, 8.4541, 0.8727** is the 20% darker color. If you saturate the color by 10%, you get **32.2812, 21.1959, 2.3898**, and if you desaturate by 10%, it is **34.6627, 25.4272, 4.8233**.

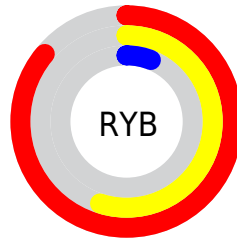
Distribution



Red (86%)

Green (36%)

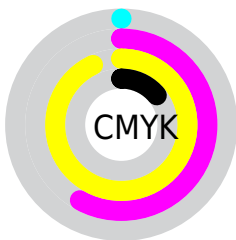
Blue (6%)



Red (86%)

Yellow (55%)

Blue (6%)

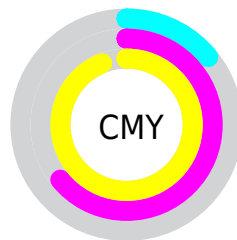


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1268, 22.7489, 3.0969 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 33.1268, 22.7489, 3.0969 by changing the saturation by 10% instead.

 33.1268, 22.7489,
3.0969

 33.1268, 22.7489,
3.0969


307.8756,
266.4327, 137.5854


 22.3833, 14.4082,
1.1443


 63.9268, 47.9807,
11.8666

 14.2570, 8.4051,
0.0000


 84.7140, 65.6406,
19.5208

 8.3825, 4.3553,
0.0000

 109.5798, 87.1757,
29.9127

 4.3945, 1.8742,
0.0000

 138.8896,
112.9703, 43.4607

 1.9277, 0.5328,
0.0000

 173.0087,
143.4089, 60.5835


 0.5928, 0.0000,
0.0000


 212.3025,


 0.0000, 0.0000,


178.8760, 81.6995


0.0000


 257.1364,
219.7557, 107.2273


 33.1268, 22.7489,
3.0969


 33.1268, 22.7489,
3.0969

 32.2812, 21.1959,
2.3898

 34.6627, 25.4272,
4.8233

 36.6270, 28.6328,
7.7071

 39.0621, 32.3993,
11.9211

 42.0039, 36.7561,
17.6084

 45.4841, 41.7298,
24.8932

■ 49.5316, 47.3452,
33.8865

■ 54.1730, 53.6259,
44.6892

■ 59.4332, 60.5937,
57.3945

■ 65.3353, 68.2697,
72.0888

Harmonies

Analogous

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



40.4656, 22.7489, 10.7894



33.1268, 22.7489, 3.0969



23.7892, 22.7489, 1.3167

Triad

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



33.1268, 22.7489, 3.0969



9.1364, 22.7489, 19.2328



28.5274, 22.7489, 97.8551

Complementary

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



33.1268, 22.7489, 3.0969



22.6552, 24.5601, 70.5638

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.



19.5908, 22.7489, 106.0913



33.1268, 22.7489, 3.0969



9.7817, 22.7489, 47.4508

Square

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



33.1268, 22.7489, 3.0969



11.0712, 22.7489, 5.8452



13.1471, 22.7489, 83.5915



37.3617, 22.7489, 65.3858

Rectangle

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



33.1268, 22.7489, 3.0969



18.2489, 22.7489, 1.4242



13.1471, 22.7489, 83.5915



25.3874, 22.7489, 104.1492

Sweetspot

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



33.1273, 22.7502, 3.0973



73.0331, 71.0704, 54.9966



34.4334, 17.4214, 28.0138



15.0398, 14.4062, 10.4063



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.



33.1273, 22.7502, 3.0973



45.4465, 29.6730, 3.3322



48.1051, 52.7058, 8.0899



13.4568, 13.8530, 13.6902



19.2387, 12.7631, 1.4495



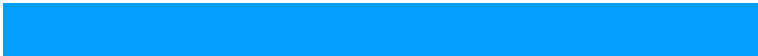
1.3278, 0.9896, 0.1210

Inverse Universe

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



22.6552, 24.5601, 70.5638



30.4037, 31.9274, 99.1679



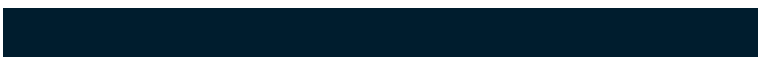
13.8183, 6.8863, 67.6182



13.0105, 13.9607, 16.6611



12.9383, 13.7460, 41.7097



0.9202, 1.0544, 2.7295

Previews

White Background



This preview shows how the XYZ color 33.1268, 22.7489, 3.0969 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 33.1268, 22.7489, 3.0969 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 33.1268, 22.7489, 3.0969

Background



This preview shows how black text looks on a background with the XYZ color 33.1268, 22.7489, 3.0969.



This preview shows how white text looks on a background with the XYZ color 33.1268, 22.7489,

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

33.1268, 22.7489, 3.0969

Protanopia

20.6618, 22.8776, 4.3637

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

35.0349, 22.7831, 12.4486

Trichromacy



Original Color

33.1268, 22.7489, 3.0969

Protanomaly

23.9715, 21.7831, 3.7517

Deuteranomaly

25.9401, 22.1355, 3.0490

Tritanomaly

33.9021, 22.5540, 7.2691

Monochromacy



Original Color

33.1268, 22.7489, 3.0969

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.0035, 18.9292, 10.5293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1268, 22.7489, 3.0969 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, 92, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 92, 15)  
}
```

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, 92, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 92, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.1268, 22.7489, 3.0969 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, 92, 15) }
```


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

```
.border{ border-color:rgb(219, 92, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 92, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 92, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 92, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 92,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1268, 22.7489, 3.0969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 92, 15) }
```

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

```
.background{ background-color: rgb(219, 92,  
15) }
```

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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