

Converting Colors

XYZ(33.3599, 23.2189, 2.7234)

Have a look what the booklet for
XYZ(33.3599, 23.2189, 2.7234)
contains.

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Color

**XYZ(33.3056, 23.2445,
2.7312)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5F00
RGB	219, 95, 0
RGB Percent	86%, 37%, 0%
CMY	0.1412, 0.6274, 1.0000
CMYK	0.00, 0.57, 1.00, 0.14
HSL	26°, 100%, 43%
HSV	26°, 100%, 86%
XYZ	33.3056, 23.2445, 2.7312
YIQ	121.2460, 104.3990, -3.2570

Conversions

Conversions Part 2

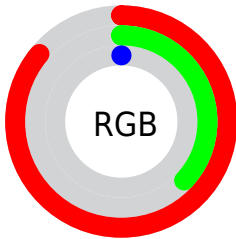
Format	Color
R_{YB}	219, 168, 0
Decimal	14376704
CIE _{Lab}	55.32, 45.08, 64.43
CIE _{LCh}	55, 78.628, 55.022
Yxy	23.2445, 0.5618, 0.3921
Android (android.graphics.Color)	4292566784 (0xFFDB5F00)
YUV	121.2460, -59.7743, 85.7303
Hunter-Lab	48.2126, 38.9372, 30.3901

Details

The XYZ color **33.3056, 23.2445, 2.7312** 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 **19.9931, 19.5285, 69.7328**, and the grayscale version is **18.4185, 19.3777, 21.1024**.

A 20% lighter version of the original color is **52.7553, 42.8100, 10.3331**, and **14.5383, 8.7238, 0.9176** is the 20% darker color. If you saturate the color by 10%, you get **33.3059, 23.2454, 2.7314**, and if you desaturate by 10%, it is **34.6573, 25.7180, 3.8916**.

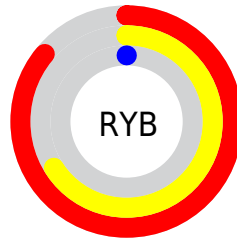
Distribution



Red (86%)

Green (37%)

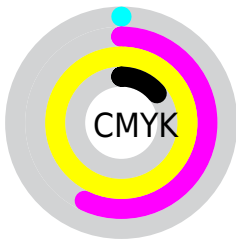
Blue (0%)



Red (86%)

Yellow (66%)

Blue (0%)

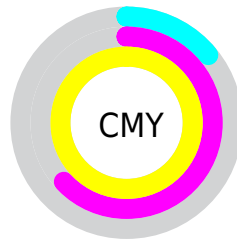


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3056, 23.2445, 2.7312 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 33.3056, 23.2445, 2.7312 by changing the saturation by 10% instead.


 33.3056, 23.2445,
2.7312


 33.3056, 23.2445,
2.7312


308.6652,
268.9783, 132.8598

 22.5210, 14.7741,
0.9591


 64.2038, 48.7945,
10.9576

 14.3590, 8.6610,
0.0000


 85.0482, 66.6429,
18.2490

 8.4541, 4.5208,
0.0000


 109.9765, 88.3861,
28.2172

 4.4411, 1.9689,
0.0000

 139.3542,
114.4086, 41.2808

 1.9546, 0.5893,
0.0000

 173.5466,
145.0946, 57.8584


 0.6083, 0.0000,
0.0000


 212.9189,


 0.0000, 0.0000,


180.8287, 78.3683


0.0000


 257.8367,
221.9951, 103.2293


 33.3056, 23.2445,
2.7312


 33.3056, 23.2445,
2.7312


 33.3059, 23.2454,
2.7314

 34.6573, 25.7180,
3.8916

 36.3573, 28.6268,
5.9729

 38.4670, 32.0083,
9.2594

 41.0234, 35.8884,
13.9117

 44.0584, 40.2905,
20.0652

■ 47.6005, 45.2361,
27.8390

■ 51.6757, 50.7453,
37.3398

■ 56.3079, 56.8369,
48.6651

■ 61.5195, 63.5289,
61.9052

Harmonies

Analogous

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



41.2891, 23.2445, 9.8279



33.3056, 23.2445, 2.7312



23.5972, 23.2445, 1.2107

Triad

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



33.3056, 23.2445, 2.7312



9.1429, 23.2445, 21.3257



30.0667, 23.2445, 99.7133

Complementary

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



33.3056, 23.2445, 2.7312



19.9931, 19.5285, 69.7328

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.



20.6545, 23.2445, 111.0249



33.3056, 23.2445, 2.7312



10.0173, 23.2445, 51.8973

Square

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



33.3056, 23.2445, 2.7312



10.9109, 23.2445, 6.4330



13.7305, 23.2445, 89.5687



39.0971, 23.2445, 64.5888

Rectangle

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



33.3056, 23.2445, 2.7312



17.9844, 23.2445, 1.4157



13.7305, 23.2445, 89.5687



26.7845, 23.2445, 107.1168

Sweetspot

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



33.3061, 23.2458, 2.7316



72.7915, 71.4252, 52.3331



32.8577, 16.5178, 20.5588



15.0384, 14.5608, 9.9210



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.



33.3061, 23.2458, 2.7316



46.8835, 32.5469, 3.8112



50.9011, 58.4358, 8.5966



13.5184, 13.9761, 13.7107



19.8535, 13.9925, 1.6544



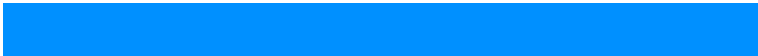
1.3708, 1.0757, 0.1354

Inverse Universe

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



19.9931, 19.5285, 69.7328



28.0804, 27.2807, 98.3935



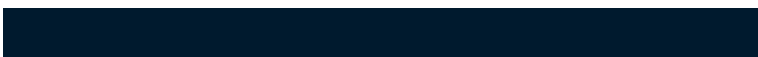
12.9514, 5.4450, 67.3856



12.9474, 13.8345, 16.6401



11.9658, 11.8010, 41.3856



0.8603, 0.9347, 2.7095

Previews

White Background



This preview shows how the XYZ color 33.3056, 23.2445, 2.7312 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 33.3056, 23.2445, 2.7312 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 33.3056, 23.2445, 2.7312

Background



This preview shows how black text looks on a background with the XYZ color 33.3056, 23.2445, 2.7312.



This preview shows how white text looks on a background with the XYZ color 33.3056, 23.2445,

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

33.3056, 23.2445, 2.7312

Protanopia

21.1006, 23.3132, 4.0973

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

35.3289, 23.1598, 13.1979

Trichromacy



Original Color

33.3056, 23.2445, 2.7312

Protanomaly

24.3487, 22.3367, 3.4089

Deuteranomaly

26.6243, 22.8263, 3.0027

Tritanomaly

34.0719, 23.0241, 6.9233

Monochromacy



Original Color

33.3056, 23.2445, 2.7312

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.0384, 19.2923, 9.6361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3056, 23.2445, 2.7312 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 95, 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, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3056, 23.2445, 2.7312 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, 95, 0) }
```


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

```
.border{ border-color:rgb(219, 95, 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, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3056, 23.2445, 2.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 95, 0) }
```

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

```
.background{ background-color: rgb(219, 95,  
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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