

Converting Colors

XYZ(32.8466, 23.3245, 2.7709)

Have a look what the booklet for
XYZ(32.8466, 23.3245, 2.7709)
contains.

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Color

**XYZ(32.8900, 23.3011,
2.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	D96100
RGB	217, 97, 0
RGB Percent	85%, 38%, 0%
CMY	0.1490, 0.6196, 1.0000
CMYK	0.00, 0.55, 1.00, 0.15
HSL	27°, 100%, 43%
HSV	27°, 100%, 85%
XYZ	32.8900, 23.3011, 2.7641
YIQ	121.8220, 102.6570, -4.7270

Conversions

Conversions Part 2

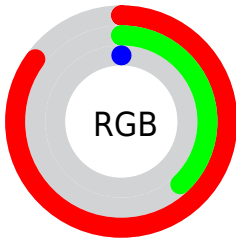
Format	Color
RYB	217, 175, 0
Decimal	14246144
CIELab	55.38, 43.35, 64.29
CIELCh	55, 77.543, 56.007
Yxy	23.3011, 0.5579, 0.3952
Android (android.graphics.Color)	4292436224 (0xFFD96100)
YUV	121.8220, -60.0582, 83.4711
Hunter-Lab	48.2712, 37.1479, 30.3948

Details

The XYZ color **32.8900, 23.3011, 2.7641** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.2407, 18.4423, 68.1908**, and the grayscale version is **18.6079, 19.5770, 21.3194**.

A 20% lighter version of the original color is **53.1005, 43.4543, 10.5899**, and **14.2648, 8.7468, 0.9365** is the 20% darker color. If you saturate the color by 10%, you get **32.8901, 23.3017, 2.7642**, and if you desaturate by 10%, it is **34.2265, 25.7472, 3.9101**.

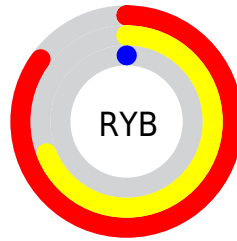
Distribution



Red (85%)

Green (38%)

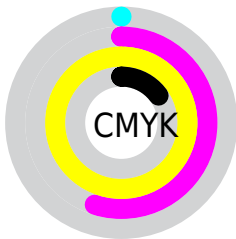
Blue (0%)



Red (85%)

Yellow (69%)

Blue (0%)

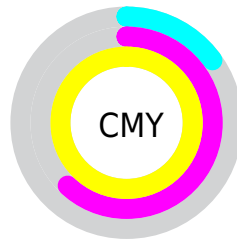


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8900, 23.3011, 2.7641 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 32.8900, 23.3011, 2.7641 by changing the saturation by 10% instead.


 32.8900, 23.3011,
2.7641


 32.8900, 23.3011,
2.7641


306.8275,
269.2678, 133.2970


 22.2010, 14.8160,
0.9755


 63.5596, 48.8873,
11.0406


 14.1221, 8.6903,
0.0000


 84.2709, 66.7571,
18.3655

 8.2879, 4.5398,
0.0000


 109.0537, 88.5240,
28.3730


 4.3331, 1.9798,
0.0000

 138.2734,
114.5723, 41.4815

 1.8922, 0.5957,
0.0000

 172.2952,
145.2864, 58.1096


 0.5723, 0.0000,
0.0000


 211.4846,


 0.0000, 0.0000,


181.0508, 78.6759


0.0000


 256.2069,
222.2498, 103.5988


 32.8900, 23.3011,
2.7641


 32.8900, 23.3011,
2.7641


 32.8901, 23.3017,
2.7642

 34.2265, 25.7472,
3.9101

 35.8968, 28.6054,
5.9542

 37.9607, 31.9113,
9.1760

 40.4538, 35.6891,
13.7320

 43.4068, 39.9609,
19.7545

■ 46.8471, 44.7466,
27.3596

■ 50.7997, 50.0651,
36.6516

■ 55.2875, 55.9339,
47.7257

■ 60.3322, 62.3699,
60.6701

Harmonies

Analogous

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



40.8624, 23.3011, 9.6175



32.8900, 23.3011, 2.7641



23.3336, 23.3011, 1.3004

Triad

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



32.8900, 23.3011, 2.7641



9.2905, 23.3011, 22.1759



30.3306, 23.3011, 97.4837

Complementary

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



32.8900, 23.3011, 2.7641



19.2407, 18.4423, 68.1908

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.



21.0013, 23.3011, 109.5793



32.8900, 23.3011, 2.7641



10.2491, 23.3011, 52.7432

Square

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



32.8900, 23.3011, 2.7641



10.9627, 23.3011, 6.8949



14.0423, 23.3011, 89.5190



39.1333, 23.3011, 62.7366

Rectangle

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



32.8900, 23.3011, 2.7641



17.8430, 23.3011, 1.5561



14.0423, 23.3011, 89.5190



27.0928, 23.3011, 105.0214

Sweetspot

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



32.8905, 23.3024, 2.7645



73.0444, 71.9308, 52.4174



32.1884, 16.1810, 20.1555



15.0979, 14.6797, 9.9408



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.



32.8905, 23.3024, 2.7645



47.2563, 33.2926, 3.9354



49.8610, 57.2433, 8.4213



13.5328, 14.0050, 13.7156



20.0122, 14.3099, 1.7073



1.3816, 1.0973, 0.1390

Inverse Universe

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



19.2407, 18.4423, 68.1908



27.5762, 26.2724, 98.2254



12.6879, 5.3367, 66.0066



12.9327, 13.8051, 16.6352



11.7541, 11.3776, 41.3150



0.8470, 0.9082, 2.7051

Previews

White Background



This preview shows how the XYZ color 32.8900, 23.3011, 2.7641 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 32.8900, 23.3011, 2.7641 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 32.8900, 23.3011, 2.7641

Background



This preview shows how black text looks on a background with the XYZ color 32.8900, 23.3011, 2.7641.



This preview shows how white text looks on a background with the XYZ color 32.8900, 23.3011,

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

32.8900, 23.3011, 2.7641

Protanopia

21.2290, 23.5847, 4.0952

Deuteranopia

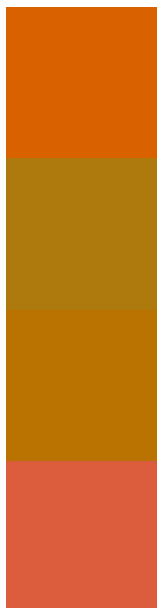
23.6093, 23.2465, 3.2427



Tritanopia

35.2827, 23.3725, 13.7181

Trichromacy



Original Color

32.8900, 23.3011, 2.7641

Protanomaly

24.3656, 22.7025, 3.4786

Deuteranomaly

26.3804, 22.7006, 2.9912

Tritanomaly

33.9701, 23.2257, 7.1075

Monochromacy



Original Color

32.8900, 23.3011, 2.7641

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.1849, 19.5284, 9.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8900, 23.3011, 2.7641 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(217, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 97, 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(217, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8900, 23.3011, 2.7641 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(217, 97, 0) }
```


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

```
.border{ border-color:rgb(217, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.8900, 23.3011, 2.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 97, 0) }
```

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

```
.background{ background-color: rgb(217, 97,  
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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