

Converting Colors

XYZ(32.4121, 23.5704, 2.8412)

Have a look what the booklet for
XYZ(32.4121, 23.5704, 2.8412)
contains.

XYZ(32.3852, 23.6035, 2.8490)	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(32.3852, 23.6035,
2.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	D66500
RGB	214, 101, 0
RGB Percent	84%, 40%, 0%
CMY	0.1608, 0.6039, 1.0000
CMYK	0.00, 0.53, 1.00, 0.16
HSL	28°, 100%, 42%
HSV	28°, 100%, 84%
XYZ	32.3852, 23.6035, 2.8490
YIQ	123.2730, 99.7690, -7.4550

Conversions

Conversions Part 2

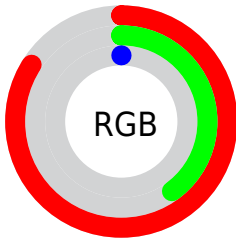
Format	Color
R_{YB}	214, 191, 0
Decimal	14050560
CIE _{Lab}	55.69, 40.22, 64.23
CIE _{LCh}	56, 75.781, 57.942
Yxy	23.6035, 0.5504, 0.4012
Android (android.graphics.Color)	4292240640 (0xFFD66500)
YUV	123.2730, -60.7736, 79.5676
Hunter-Lab	48.5834, 33.9652, 30.5316

Details

The XYZ color **32.3852, 23.6035, 2.8490** 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 **18.0422, 16.6644, 65.8833**, and the grayscale version is **19.0896, 20.0837, 21.8712**.

A 20% lighter version of the original color is **53.7497, 44.7529, 10.8063**, and **14.0895, 8.9566, 0.9862** is the 20% darker color. If you saturate the color by 10%, you get **32.3855, 23.6043, 2.8492**, and if you desaturate by 10%, it is **33.6985, 26.0078, 3.9732**.

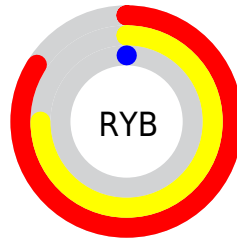
Distribution



Red (84%)

Green (40%)

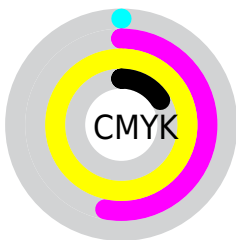
Blue (0%)



Red (84%)

Yellow (75%)

Blue (0%)

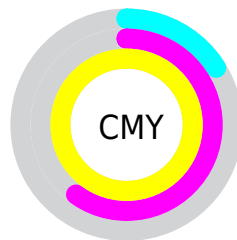


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3852, 23.6035, 2.8490 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 32.3852, 23.6035, 2.8490 by changing the saturation by 10% instead.


 32.3852, 23.6035,
2.8490


 32.3852, 23.6035,
2.8490


304.5844,
270.8097, 134.4136


 21.8129, 15.0398,
1.0181


 62.7756, 49.3824,
11.2535


 13.8353, 8.8473,
0.0000


 83.3244, 67.3663,
18.6642


 8.0871, 4.6417,
0.0000


 107.9293, 89.2591,
28.7718

 4.2030, 2.0386,
0.0000

 136.9558,
115.4452, 41.9949

 1.8176, 0.6298,
0.0000

 170.7693,
146.3089, 58.7521


 0.5283, 0.0000,
0.0000


 209.7349,


 0.0000, 0.0000,


182.2346, 79.4620


0.0000


 254.2182,
223.6067, 104.5429


 32.3852, 23.6035,
2.8490


 32.3852, 23.6035,
2.8490


 32.3855, 23.6043,
2.8492

 33.6985, 26.0078,
3.9732

 35.3221, 28.7858,
5.9612

 37.3133, 31.9701,
9.0852

 39.7056, 35.5826,
13.4961

 42.5278, 39.6426,
19.3213

■ 45.8057, 44.1682,
26.6728

■ 49.5626, 49.1759,
35.6511

■ 53.8201, 54.6815,
46.3479

■ 58.5984, 60.6999,
58.8483

Harmonies

Analogous

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



40.4033, 23.6035, 9.3041



32.3852, 23.6035, 2.8490



23.0324, 23.6035, 1.4929

Triad

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



32.3852, 23.6035, 2.8490



9.6518, 23.6035, 24.0397



31.0915, 23.6035, 94.1635

Complementary

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



32.3852, 23.6035, 2.8490



18.0422, 16.6644, 65.8833

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.



21.8469, 23.6035, 107.7980



32.3852, 23.6035, 2.8490



10.7839, 23.6035, 54.8235

Square

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



32.3852, 23.6035, 2.8490



11.1517, 23.6035, 7.8891



14.7645, 23.6035, 90.1864



39.5322, 23.6035, 59.8416

Rectangle

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



32.3852, 23.6035, 2.8490



17.7242, 23.6035, 1.8596



14.7645, 23.6035, 90.1864



27.9129, 23.6035, 102.0053

Sweetspot

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



32.3857, 23.6048, 2.8494



73.5267, 72.8955, 52.5781



30.7763, 15.5141, 17.3323



15.2114, 14.9068, 9.9786



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.



32.3857, 23.6048, 2.8494



47.9995, 34.7790, 4.1832



50.0117, 58.8567, 8.7247



12.9018, 13.3777, 13.0629



19.6776, 14.4725, 1.7563



1.2694, 1.0379, 0.1334

Inverse Universe

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



18.0422, 16.6644, 65.8833



26.6642, 24.4485, 97.9214



12.2150, 5.0100, 63.9409



12.2799, 13.0832, 15.8156



11.0104, 10.2825, 39.8576



0.7467, 0.7854, 2.4316

Previews

White Background



This preview shows how the XYZ color 32.3852, 23.6035, 2.8490 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 32.3852, 23.6035, 2.8490 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 32.3852, 23.6035, 2.8490

Background



This preview shows how black text looks on a background with the XYZ color 32.3852, 23.6035, 2.8490.



This preview shows how white text looks on a background with the XYZ color 32.3852, 23.6035,

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

32.3852, 23.6035, 2.8490

Protanopia

21.4051, 23.6765, 4.0579

Deuteranopia

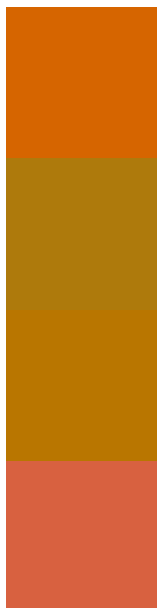
23.9516, 23.6138, 3.2955



Tritanopia

34.9182, 23.6772, 14.7864

Trichromacy



Original Color

32.3852, 23.6035, 2.8490

Protanomaly

24.4815, 22.9443, 3.4862

Deuteranomaly

26.4860, 23.2712, 3.0958

Tritanomaly

33.5190, 23.5185, 7.6234

Monochromacy



Original Color

32.3852, 23.6035, 2.8490

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.2162, 19.8794, 9.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3852, 23.6035, 2.8490 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, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 101, 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(214, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3852, 23.6035, 2.8490 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, 101, 0) }
```


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

```
.border{ border-color:rgb(214, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3852, 23.6035, 2.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 101, 0) }
```

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

```
.background{ background-color: rgb(214,  
101, 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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