

# Converting Colors

XYZ(32.5795, 23.7541, 4.8974)

Have a look what the booklet for  
XYZ(32.5795, 23.7541, 4.8974)  
contains.

<b>XYZ(32.5749, 23.8021, 4.8849)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.5749, 23.8021,  
4.8849)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D56628
RGB	213, 102, 40
RGB Percent	84%, 40%, 16%
CMY	0.1647, 0.6000, 0.8431
CMYK	0.00, 0.52, 0.81, 0.16
HSL	22°, 68%, 50%
HSV	22°, 81%, 84%
XYZ	32.5749, 23.8021, 4.8849
YIQ	128.1210, 86.0580, 4.2500

# Conversions

## Conversions Part 2

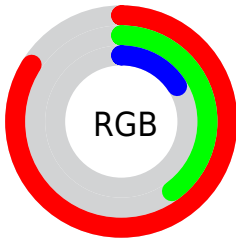
Format	Color
R <sub>Y</sub> B	213, 137, 40
Decimal	13985320
CIE Lab	55.89, 40.04, 52.88
CIE LCh	56, 66.329, 52.868
Yxy	23.8021, 0.5317, 0.3885
Android (android.graphics.Color)	4292175400 (0xFFD56628)
YUV	128.1210, -43.4437, 74.4389
Hunter-Lab	48.7874, 33.8049, 28.2147

# Details

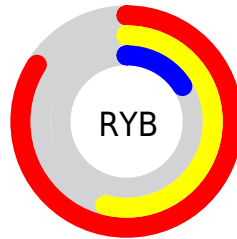
The XYZ color **32.5749, 23.8021, 4.8849** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **23.9509, 27.3865, 66.9739**, and the grayscale version is **20.6859, 21.7632, 23.7001**.

A 20% lighter version of the original color is **54.8068, 45.4409, 15.5552**, and **13.9463, 8.9470, 0.9919** is the 20% darker color. If you saturate the color by 10%, you get **31.0731, 21.2277, 3.0625**, and if you desaturate by 10%, it is **34.4985, 26.9017, 7.8320**.

# Distribution



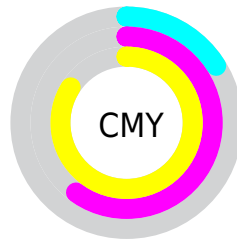
- Red (84%)
- Green (40%)
- Blue (16%)



- Red (84%)
- Yellow (54%)
- Blue (16%)



- Cyan (0%)
- Magenta (52%)
- Yellow (81%)
- Black (16%)




- Cyan (16%)
- Magenta (60%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5749, 23.8021, 4.8849 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 32.5749, 23.8021, 4.8849 by changing the saturation by 10% instead.





 32.5749, 23.8021,  
4.8849


 32.5749, 23.8021,  
4.8849


305.4288,  
271.8184, 157.6047


 21.9587, 15.1869,  
2.1223


 63.0704, 49.7071,  
16.0040


 13.9430, 8.9507,  
0.6290


 83.6804, 67.7656,  
25.1977


 8.1624, 4.7090,  
0.0000


 108.3523, 89.7407,  
37.3721

 4.2517, 2.0776,  
0.0000

 137.4516,  
116.0168, 52.9458

 1.8455, 0.6520,  
0.0000

 171.3435,  
146.9782, 72.3374

 0.5449, 0.0000,  
0.0000

 210.3934,

 0.0000, 0.0000,

183.0093, 95.9654

0.0000

254.9668,  
224.4946, 124.2483

■ 32.5749, 23.8021,  
4.8849

■ 32.5749, 23.8021,  
4.8849

■ 31.0731, 21.2277,  
3.0625

■ 34.4985, 26.9017,  
7.8320

■ 30.0484, 19.3622,  
2.1536

■ 36.8812, 30.5543,  
12.0570

■ 39.7571, 34.7897,  
17.6903

■ 43.1561, 39.6343,  
24.8454

■ 47.1055, 45.1124,  
33.6241

■ 51.6305, 51.2473,  
44.1196

■ 56.7547, 58.0606,  
56.4176

■ 62.5002, 65.5731,  
70.5982

■ 68.8881, 73.8047,  
86.7368

# Harmonies

## Analogous

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



38.8229, 23.8021, 12.8769



32.5749, 23.8021, 4.8849



24.4752, 23.8021, 2.6736

# Triad

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



32.5749, 23.8021, 4.8849



11.0528, 23.8021, 21.0866



28.7516, 23.8021, 86.2627

# Complementary

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



32.5749, 23.8021, 4.8849



23.9509, 27.3865, 66.9739

# 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.



20.8671, 23.8021, 93.0038



32.5749, 23.8021, 4.8849



11.7038, 23.8021, 45.6811

# Square

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



32.5749, 23.8021, 4.8849



12.9050, 23.8021, 8.0403



14.9378, 23.8021, 75.2522



36.2946, 23.8021, 60.0193



# Rectangle

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



32.5749, 23.8021, 4.8849



19.5394, 23.8021, 2.8358



14.9378, 23.8021, 75.2522



26.0154, 23.8021, 91.3192

# Sweetspot

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



32.5754, 23.8034, 4.8853



75.4432, 74.1222, 61.2520



33.9036, 17.9455, 31.5764



15.6229, 15.1536, 11.8920



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.



32.5754, 23.8034, 4.8853



45.4926, 29.6982, 3.5543



45.6042, 49.8609, 9.2282



12.7839, 13.1420, 13.0236



18.4433, 12.0038, 1.3449



1.1895, 0.8782, 0.1068



# Inverse Universe

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



23.9509, 27.3865, 66.9739



31.8449, 34.6676, 99.6208



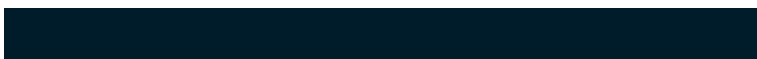
14.8307, 9.1460, 63.9338



12.4004, 13.3242, 15.8558



12.8708, 14.0034, 40.4777



0.8533, 0.9986, 2.4671



# Previews

## White Background



This preview shows how the XYZ color 32.5749, 23.8021, 4.8849 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 32.5749, 23.8021, 4.8849 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 32.5749, 23.8021, 4.8849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.5749, 23.8021, 4.8849.



This preview shows how white text looks on a background with the XYZ color 32.5749, 23.8021,



# 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

32.5749, 23.8021, 4.8849

### Protanopia

21.7960, 24.0337, 6.3959

### Deuteranopia

24.3157, 23.9671, 4.5728



## Tritanopia

34.9000, 23.9240, 15.3487

# Trichromacy



## Original Color

32.5749, 23.8021, 4.8849

## Protanomaly

24.8097, 23.2474, 5.7644

## Deuteranomaly

26.8931, 23.6234, 4.6557

## Tritanomaly

33.8033, 23.7470, 10.1991

# Monochromacy



## Original Color

32.5749, 23.8021, 4.8849

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

23.0062, 21.4091, 13.9861

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.5749, 23.8021, 4.8849 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(213, 102, 40)` looks like.

```
.text, #text, p{  
    color:rgb(213, 102, 40)  
}
```

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(213, 102, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 102, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 32.5749, 23.8021, 4.8849 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(213, 102, 40) }
```



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

```
.border{ border-color:rgb(213, 102, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 102, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 102, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 102, 40);  
box-shadow:4px 4px 4px 4px rgb(213, 102,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.5749, 23.8021, 4.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 102, 40) }
```

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

```
.background{ background-color: rgb(213,  
102, 40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor