

# Converting Colors

XYZ(32.0916, 24.0729, 3.6678)

Have a look what the booklet for  
XYZ(32.0916, 24.0729, 3.6678)  
contains.

<b>XYZ(32.0509, 24.0062, 3.6539)</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(32.0509, 24.0062,  
3.6539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D36915
RGB	211, 105, 21
RGB Percent	83%, 41%, 8%
CMY	0.1726, 0.5882, 0.9176
CMYK	0.00, 0.50, 0.90, 0.17
HSL	27°, 82%, 45%
HSV	27°, 90%, 83%
XYZ	32.0509, 24.0062, 3.6539
YIQ	127.1180, 90.1400, -3.6520

# Conversions

## Conversions Part 2

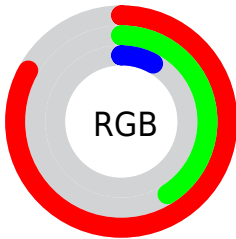
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 172, 21
Decimal	13854997
CIE Lab	56.09, 37.27, 59.79
CIE LCh	56, 70.455, 58.063
Yxy	24.0062, 0.5368, 0.4020
Android (android.graphics.Color)	4292045077 (0xFFD36915)
YUV	127.1180, -52.3162, 73.5645
Hunter-Lab	48.9961, 31.0229, 29.8757

# Details

The XYZ color **32.0509, 24.0062, 3.6539** 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 **19.6561, 20.0405, 64.4597**, and the grayscale version is **20.3669, 21.4275, 23.3346**.

A 20% lighter version of the original color is **54.7714, 46.2355, 12.8751**, and **13.7606, 9.1219, 1.0354** is the 20% darker color. If you saturate the color by 10%, you get **30.8035, 21.7283, 2.5705**, and if you desaturate by 10%, it is **33.6190, 26.6876, 5.5796**.

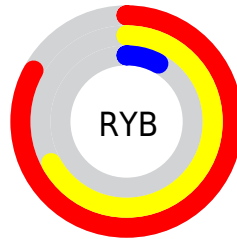
# Distribution



Red (83%)

Green (41%)

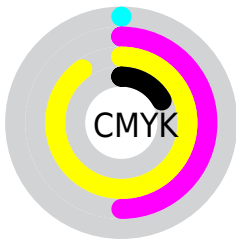
Blue (8%)



Red (83%)

Yellow (67%)

Blue (8%)

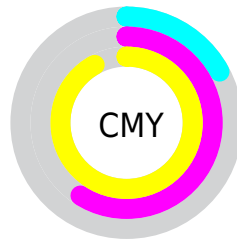


Cyan (0%)

Magenta (50%)

Yellow (90%)

Black (17%)



Cyan (17%)

Magenta (59%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0509, 24.0062, 3.6539 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 32.0509, 24.0062, 3.6539 by changing the saturation by 10% instead.





 32.0509, 24.0062,  
3.6539


 32.0509, 24.0062,  
3.6539


303.0922,  
272.8518, 144.2971


 21.5561, 15.3382,  
1.4375


 62.2555, 50.0403,  
13.2033

 13.6459, 9.0571,  
0.1707


 82.6961, 68.1752,  
21.3734


 7.9548, 4.7784,  
0.0000

 107.1826, 90.2346,  
32.3651

 4.1176, 2.1179,  
0.0000

 136.0805,  
116.6028, 46.5970

 1.7689, 0.6746,  
0.0000

 169.7550,  
147.6642, 64.4876

 0.4988, 0.0000,  
0.0000

 208.5716,

 0.0000, 0.0000,

183.8033, 86.4555

0.0000

252.8955,  
225.4043, 112.9191

32.0509, 24.0062,  
3.6539

32.0509, 24.0062,  
3.6539

30.8035, 21.7283,  
2.5705

33.6190, 26.6876,  
5.5796

35.5576, 29.7919,  
8.6090

37.9008, 33.3435,  
12.8885

40.6774, 37.3631,  
18.5417

43.9130, 41.8697,  
25.6769

■ 47.6312, 46.8813,  
34.3915

■ 51.8536, 52.4146,  
44.7747

■ 56.6003, 58.4853,  
56.9086

■ 61.8904, 65.1088,  
70.8702

# Harmonies

## Analogous

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



39.4349, 24.0062, 10.3090



32.0509, 24.0062, 3.6539



23.3458, 24.0062, 2.1296

# Triad

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



32.0509, 24.0062, 3.6539



10.5556, 24.0062, 24.6647



30.9246, 24.0062, 88.2485

# Complementary

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



32.0509, 24.0062, 3.6539



19.6561, 20.0405, 64.4597

# 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.



22.2965, 24.0062, 100.4763



32.0509, 24.0062, 3.6539



11.6794, 24.0062, 53.1194

# Square

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



32.0509, 24.0062, 3.6539



12.0183, 24.0062, 8.9718



15.5527, 24.0062, 84.9100



38.6841, 24.0062, 57.4051



# Rectangle

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



32.0509, 24.0062, 3.6539



18.3355, 24.0062, 2.5629



15.5527, 24.0062, 84.9100



27.9754, 24.0062, 95.2566

# Sweetspot

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



32.0514, 24.0075, 3.6543



74.8264, 74.2265, 56.9214



31.0724, 15.9614, 22.0966



15.5601, 15.2838, 11.0827



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.



32.0514, 24.0075, 3.6543



47.1165, 33.0131, 3.8888



47.2694, 54.4434, 8.7270



12.2327, 12.6562, 12.4102



18.6887, 13.3104, 1.5842



1.1234, 0.9012, 0.1147



# Inverse Universe

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



19.6561, 20.0405, 64.4597



27.7612, 26.6425, 98.2871



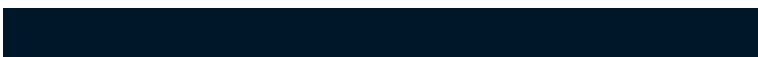
12.6298, 5.9879, 62.1176



11.7028, 12.4958, 15.0388



11.0887, 10.8241, 38.6973



0.6984, 0.7620, 2.1898



# Previews

## White Background



This preview shows how the XYZ color 32.0509, 24.0062, 3.6539 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 32.0509, 24.0062, 3.6539 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 32.0509, 24.0062, 3.6539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.0509, 24.0062, 3.6539.



This preview shows how white text looks on a background with the XYZ color 32.0509, 24.0062,



# 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

32.0509, 24.0062, 3.6539

### Protanopia

21.8346, 24.0921, 4.6618

### Deuteranopia

24.5138, 24.0963, 3.3590



## Tritanopia

34.6490, 24.0514, 16.1808

# Trichromacy



## Original Color

32.0509, 24.0062, 3.6539

## Protanomaly

24.6277, 23.3741, 4.1909

## Deuteranomaly

27.0100, 23.8896, 3.4173

## Tritanomaly

33.3303, 23.9479, 9.3443

# Monochromacy



## Original Color

32.0509, 24.0062, 3.6539

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

22.4588, 21.1673, 12.1345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.0509, 24.0062, 3.6539 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(211, 105, 21)` looks like.

```
.text, #text, p{  
    color:rgb(211, 105, 21)  
}
```

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(211, 105, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 105, 21) }
```

## Border

The CSS property to change the border of an element to XYZ 32.0509, 24.0062, 3.6539 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(211, 105, 21) }
```



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

```
.border{ border-color:rgb(211, 105, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 105, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 105, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 105, 21);  
box-shadow:4px 4px 4px 4px rgb(211, 105,  
21) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.0509, 24.0062, 3.6539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 105, 21) }
```

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

```
.background{ background-color: rgb(211,  
105, 21) }
```

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