

# Converting Colors

XYZ(24.8088, 19.4426, 3.9959)

Have a look what the booklet for  
XYZ(24.8088, 19.4426, 3.9959)  
contains.

<b>XYZ(24.7582, 19.3535, 3.9441)</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(24.7582, 19.3535,  
3.9441)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B96322
RGB	185, 99, 34
RGB Percent	73%, 39%, 13%
CMY	0.2745, 0.6117, 0.8667
CMYK	0.00, 0.46, 0.82, 0.27
HSL	26°, 69%, 43%
HSV	26°, 82%, 73%
XYZ	24.7582, 19.3535, 3.9441
YIQ	117.3040, 72.1210, -1.9830

# Conversions

## Conversions Part 2

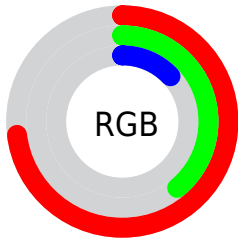
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">185, 148, 34</a>
Decimal	<a href="#">12149538</a>
CIELab	<a href="#">51.10, 30.11, 49.51</a>
CIELCh	<a href="#">51, 57.947, 58.698</a>
Yxy	<a href="#">19.3535, 0.5152, 0.4027</a>
Android (android.graphics.Color)	<a href="#">4290339618</a> ( <a href="#">0xFFB96322</a> )
YUV	<a href="#">117.3040, -41.0689, 59.3694</a>
Hunter-Lab	<a href="#">43.9926, 23.4693, 25.4793</a>

# Details

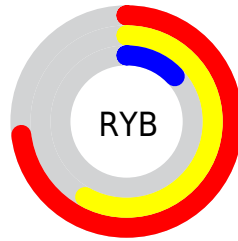
The XYZ color **24.7582, 19.3535, 3.9441** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.1327, 17.2749, 48.3828**, and the grayscale version is **17.1114, 18.0026, 19.6048**.

A 20% lighter version of the original color is **50.6729, 42.3661, 13.8942**, and **9.7448, 6.7168, 0.7829** is the 20% darker color. If you saturate the color by 10%, you get **23.6258, 17.4070, 2.5856**, and if you desaturate by 10%, it is **26.1653, 21.6199, 6.1025**.

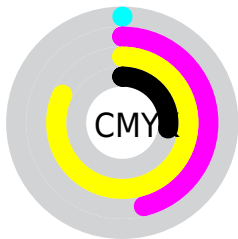
# Distribution



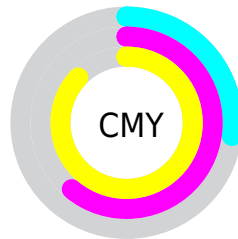
- Red (73%)
- Green (39%)
- Blue (13%)



- Red (73%)
- Yellow (58%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (82%)
- Black (27%)




- Cyan (27%)
- Magenta (61%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7582, 19.3535, 3.9441 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 24.7582, 19.3535, 3.9441 by changing the saturation by 10% instead.





 24.7582, 19.3535,  
3.9441


 24.7582, 19.3535,  
3.9441


269.0015,  
248.3934, 147.6020


 16.0248, 11.9260,  
1.5947


 50.7104, 42.3306,  
13.8806


 9.6326, 6.6933,  
0.2871


 68.6599, 58.6489,  
22.3049


 5.2165, 3.2710,  
0.0000


 90.4121, 78.6997,  
33.5911

 2.4109, 1.2748,  
0.0000

 116.3324,  
102.8673, 48.1580

 0.8505, 0.1216,  
0.0000

 146.7861,  
131.5360, 66.4240

 0.0000, 0.0000,  
0.0000

 182.1387,

165.0904, 88.8076

222.7553,  
203.9147, 115.7274

24.7582, 19.3535,  
3.9441

24.7582, 19.3535,  
3.9441

23.6258, 17.4070,  
2.5856

26.1653, 21.6199,  
6.1025

22.8499, 15.9992,  
1.8838

27.8707, 24.2208,  
9.1678

29.8963, 27.1729,  
13.2314

32.2613, 30.4908,  
18.3730

34.9830, 34.1879,  
24.6641

■ 38.0777, 38.2772,  
32.1703

■ 41.5604, 42.7705,  
40.9518

■ 45.4451, 47.6795,  
51.0650

■ 49.7452, 53.0151,  
62.5628

# Harmonies

## Analogous

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



29.8978, 19.3535, 9.2313



24.7582, 19.3535, 3.9441



18.6474, 19.3535, 2.6220

# Triad

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



24.7582, 19.3535, 3.9441



9.4074, 19.3535, 20.3611



24.2314, 19.3535, 62.8397

# Complementary

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



24.7582, 19.3535, 3.9441



16.1327, 17.2749, 48.3828

# 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.



18.1448, 19.3535, 71.2290



24.7582, 19.3535, 3.9441



10.3010, 19.3535, 40.2285

# Square

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



24.7582, 19.3535, 3.9441



10.4727, 19.3535, 8.5308



13.2276, 19.3535, 61.3604



29.5518, 19.3535, 42.1775



# Rectangle

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



24.7582, 19.3535, 3.9441



15.0732, 19.3535, 3.0587



13.2276, 19.3535, 61.3604



22.1719, 19.3535, 67.5487

# Sweetspot

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



24.7586, 19.3545, 3.9444



66.5924, 66.4527, 53.6661



24.0976, 12.8656, 19.6529



13.9309, 13.7648, 10.5365



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7586, 19.3545, 3.9444



41.0055, 28.7749, 3.5305



35.1281, 40.0935, 7.4009



9.3140, 9.6310, 9.4750



15.6284, 11.0331, 1.3059



0.6126, 0.5124, 0.0666



# Inverse Universe

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



16.1327, 17.2749, 48.3828



24.9147, 24.6465, 85.6487



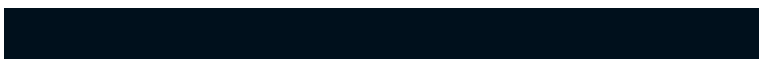
10.4167, 5.8429, 46.4774



8.9341, 9.5455, 11.4510



9.5008, 9.4612, 32.5785



0.3951, 0.4539, 1.1685



# Previews

## White Background



This preview shows how the XYZ color 24.7582, 19.3535, 3.9441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

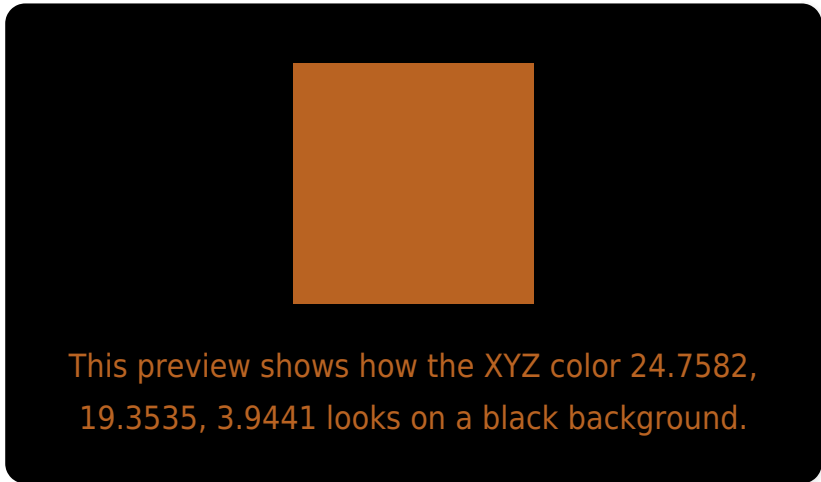
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 24.7582, 19.3535, 3.9441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7582, 19.3535, 3.9441.



This preview shows how white text looks on a background with the XYZ color 24.7582, 19.3535,



# 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

24.7582, 19.3535, 3.9441

### Protanopia

17.7825, 19.6375, 4.8607

### Deuteranopia

19.7696, 19.4399, 3.7472



## Tritanopia

26.9055, 19.4209, 14.1349

# Trichromacy



## Original Color

24.7582, 19.3535, 3.9441

## Protanomaly

19.6936, 19.0446, 4.4717

## Deuteranomaly

21.3273, 19.2449, 3.8189

## Tritanomaly

25.8557, 19.2572, 9.0109

# Monochromacy



## Original Color

24.7582, 19.3535, 3.9441

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

18.4516, 17.5908, 11.4397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7582, 19.3535, 3.9441 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(185, 99, 34)` looks like.

```
.text, #text, p{  
    color:rgb(185, 99, 34)  
}
```

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(185, 99, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 99, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7582, 19.3535, 3.9441 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(185, 99, 34) }
```



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

```
.border{ border-color:rgb(185, 99, 34) }
```

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

Here you see how a box with a 4 pixel rgb(185, 99, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 99, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 99, 34);  
box-shadow:4px 4px 4px 4px rgb(185, 99,  
34) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.7582, 19.3535, 3.9441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 99, 34) }
```

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

```
.background{ background-color: rgb(185, 99,  
34) }
```

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