

# Converting Colors

XYZ(24.2578, 18.7985, 4.7328)

Have a look what the booklet for  
XYZ(24.2578, 18.7985, 4.7328)  
contains.

<b>XYZ(24.2578, 18.7985, 4.7328)</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(24.2578, 18.7985,  
4.7328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7612C
RGB	183, 97, 44
RGB Percent	72%, 38%, 17%
CMY	0.2824, 0.6196, 0.8274
CMYK	0.00, 0.47, 0.76, 0.28
HSL	23°, 61%, 45%
HSV	23°, 76%, 72%
XYZ	24.2578, 18.7985, 4.7328
YIQ	116.6720, 68.2690, 1.7490

# Conversions

## Conversions Part 2

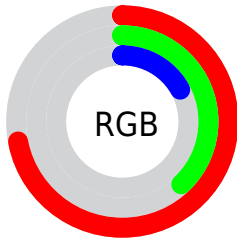
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 130, 44</a>
Decimal	<a href="#">12017964</a>
CIELab	<a href="#">50.45, 30.73, 44.25</a>
CIELCh	<a href="#">50, 53.875, 55.219</a>
Yxy	<a href="#">18.7985, 0.5076, 0.3934</a>
Android (android.graphics.Color)	<a href="#">4290208044 (0xFFB7612C)</a>
YUV	<a href="#">116.6720, -35.8273, 58.1697</a>
Hunter-Lab	<a href="#">43.3572, 23.9932, 23.8781</a>

# Details

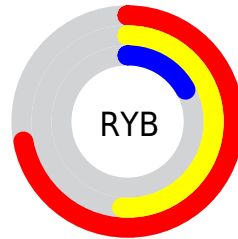
The XYZ color **24.2578, 18.7985, 4.7328** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.5680, 19.9185, 47.7183**, and the grayscale version is **16.9000, 17.7801, 19.3626**.

A 20% lighter version of the original color is **50.0315, 41.5183, 15.7328**, and **9.3691, 6.3990, 0.7413** is the 20% darker color. If you saturate the color by 10%, you get **23.0141, 16.7457, 2.9791**, and if you desaturate by 10%, it is **25.8033, 21.2126, 7.3354**.

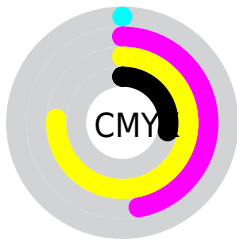
# Distribution



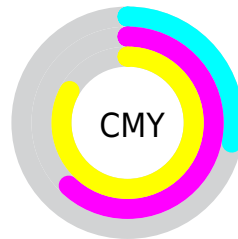
- Red (72%)
- Green (38%)
- Blue (17%)



- Red (72%)
- Yellow (51%)
- Blue (17%)



- Cyan (0%)
- Magenta (47%)
- Yellow (76%)
- Black (28%)




- Cyan (28%)
- Magenta (62%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2578, 18.7985, 4.7328 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 24.2578, 18.7985, 4.7328 by changing the saturation by 10% instead.





 24.2578, 18.7985,  
4.7328


 24.2578, 18.7985,  
4.7328


266.5376,  
245.3341, 156.0520


 15.6507, 11.5248,  
2.0354


 49.9022, 41.3933,  
15.6674


 9.3666, 6.4210,  
0.5769


 67.6702, 57.4832,  
24.7416


 5.0401, 3.1027,  
0.0000

 89.2226, 77.2806,  
36.7785

 2.3058, 1.1856,  
0.0000

 114.9247,  
101.1699, 52.1966

 0.7976, 0.0499,  
0.0000

 145.1420,  
129.5355, 71.4145

 0.0000, 0.0000,  
0.0000

 180.2396,

162.7618, 94.8506

220.5830,  
201.2332, 122.9237

■ 24.2578, 18.7985,  
4.7328

■ 24.2578, 18.7985,  
4.7328

■ 23.0141, 16.7457,  
2.9791

■ 25.8033, 21.2126,  
7.3354

■ 22.0420, 15.0295,  
1.9518

■ 27.6730, 24.0040,  
10.8811

■ 21.7050, 14.4205,  
1.6394

■ 29.8881, 27.1909,  
15.4528

■ 32.4676, 30.7894,  
21.1235

■ 35.4289, 34.8146,  
27.9597

■ 38.7881, 39.2807,  
36.0227

■ 42.5603, 44.2013,  
45.3693

■ 46.7599, 49.5893,  
56.0526

■ 51.4006, 55.4570,  
68.1230

# Harmonies

## Analogous

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



28.6287, 18.7985, 10.4657



24.2578, 18.7985, 4.7328



18.7209, 18.7985, 3.0715

# Triad

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



24.2578, 18.7985, 4.7328



9.5858, 18.7985, 18.1550



22.5168, 18.7985, 59.2794

# Complementary

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



24.2578, 18.7985, 4.7328



17.5680, 19.9185, 47.7183

# 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.



17.0403, 18.7985, 64.8322



24.2578, 18.7985, 4.7328



10.2103, 18.7985, 35.4011

# Square

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



24.2578, 18.7985, 4.7328



10.7999, 18.7985, 8.0204



12.7112, 18.7985, 54.5232



27.4935, 18.7985, 41.7527



# Rectangle

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



24.2578, 18.7985, 4.7328



15.3492, 18.7985, 3.3364



12.7112, 18.7985, 54.5232



20.6470, 18.7985, 62.8845

# Sweetspot

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



24.2582, 18.7995, 4.7331



64.9331, 64.3362, 53.5806



24.5963, 13.5356, 23.1581



13.8867, 13.5994, 10.7590



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.



24.2582, 18.7995, 4.7331



40.0275, 27.9134, 4.0044



33.3422, 36.9674, 7.7611



9.2778, 9.5586, 9.4629



15.2036, 10.1836, 1.1643



0.5965, 0.4800, 0.0612



# Inverse Universe

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



17.5680, 19.9185, 47.7183



27.3221, 29.6815, 84.5248



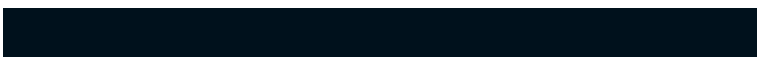
11.3378, 7.4581, 45.6416



8.9712, 9.6197, 11.4634



10.1670, 10.7936, 32.8006



0.4162, 0.4960, 1.1756



# Previews

## White Background



This preview shows how the XYZ color 24.2578, 18.7985, 4.7328 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 24.2578, 18.7985, 4.7328 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 24.2578, 18.7985, 4.7328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.2578, 18.7985, 4.7328.



This preview shows how white text looks on a background with the XYZ color 24.2578, 18.7985,

4.7328.

# 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

24.2578, 18.7985, 4.7328

### Protanopia

17.2664, 18.9821, 5.8858

### Deuteranopia

19.2594, 18.9873, 4.5693



## Tritanopia

26.1954, 18.8031, 13.8040

# Trichromacy



## Original Color

24.2578, 18.7985, 4.7328

## Protanomaly

19.2766, 18.4771, 5.3468

## Deuteranomaly

20.8671, 18.6717, 4.6020

## Tritanomaly

25.2971, 18.6930, 9.4825

# Monochromacy



## Original Color

24.2578, 18.7985, 4.7328

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

18.4059, 17.5528, 12.0908

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.2578, 18.7985, 4.7328 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(183, 97, 44)` looks like.

```
.text, #text, p{  
    color:rgb(183, 97, 44)  
}
```

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(183, 97, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 97, 44) }
```

## Border

The CSS property to change the border of an element to XYZ 24.2578, 18.7985, 4.7328 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(183, 97, 44) }
```



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

```
.border{ border-color:rgb(183, 97, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 97, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 97, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 97, 44);  
box-shadow:4px 4px 4px 4px rgb(183, 97,  
44) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.2578, 18.7985, 4.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 97, 44) }
```

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

```
.background{ background-color: rgb(183, 97,  
44) }
```

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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