

# Converting Colors

XYZ(24.1911, 19.1889, 2.4278)

Have a look what the booklet for  
XYZ(24.1911, 19.1889, 2.4278)  
contains.

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# Color

**XYZ(24.3243, 19.3047,  
2.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B86400
RGB	184, 100, 0
RGB Percent	72%, 39%, 0%
CMY	0.2784, 0.6078, 1.0000
CMYK	0.00, 0.46, 1.00, 0.28
HSL	33°, 100%, 36%
HSV	33°, 100%, 72%
XYZ	24.3243, 19.3047, 2.4441
YIQ	113.7160, 82.1640, -13.2920

# Conversions

## Conversions Part 2

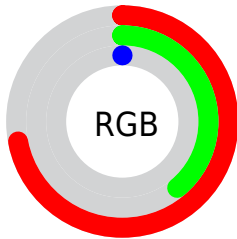
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 184, 0
Decimal	12084224
CIE Lab	51.04, 28.47, 59.17
CIE LCh	51, 65.666, 64.303
Yxy	19.3047, 0.5280, 0.4190
Android (android.graphics.Color)	4290274304 (0xFFB86400)
YUV	113.7160, -56.0620, 61.6391
Hunter-Lab	43.9371, 21.9305, 27.4578

# Details

The XYZ color **24.3243, 19.3047, 2.4441** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.8218, 9.8009, 46.6156**, and the grayscale version is **16.0551, 16.8913, 18.3946**.

A 20% lighter version of the original color is **50.1315, 42.4082, 10.2460**, and **9.5402, 6.7411, 0.7983** is the 20% darker color. If you saturate the color by 10%, you get **24.3245, 19.3054, 2.4443**, and if you desaturate by 10%, it is **25.2849, 21.0461, 3.3194**.

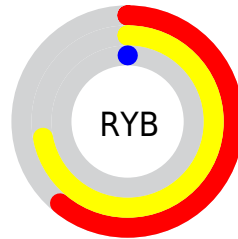
# Distribution



Red (72%)

Green (39%)

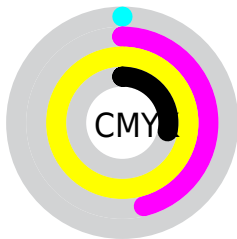
Blue (0%)



Red (61%)

Yellow (72%)

Blue (0%)

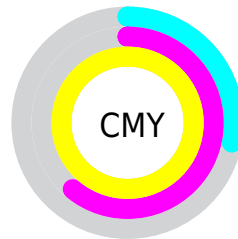


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (61%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3243, 19.3047, 2.4441 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 24.3243, 19.3047, 2.4441 by changing the saturation by 10% instead.



■ 24.3243, 19.3047,  
2.4441

■ 24.3243, 19.3047,  
2.4441

266.8661,  
248.1258, 128.9309

■ 15.7004, 11.8907,  
0.8103

■ 50.0097, 42.2483,  
10.2228

■ 9.4019, 6.6693,  
0.0000

■ 67.8020, 58.5467,  
17.2128

■ 5.0634, 3.2561,  
0.0000

■ 89.3810, 78.5753,  
26.8281

■ 2.3197, 1.2669,  
0.0000

■ 115.1123,  
102.7186, 39.4870


■ 0.8047, 0.1153,  
0.0000


■ 145.3610,  
131.3609, 55.6082


■ 0.0000, 0.0000,  
0.0000


■ 180.4927,


164.8865, 75.6103


 220.8726,  
203.6800, 99.9116


 24.3243, 19.3047,  
2.4441


 24.3243, 19.3047,  
2.4441


 24.3245, 19.3054,  
2.4443

 25.2849, 21.0461,  
3.3194

 26.4364, 22.9998,  
4.7802

 27.8210, 25.1871,  
7.0353

 29.4601, 27.6202,  
10.1873

 31.3724, 30.3100,  
14.3229

■ 33.5742, 33.2664,  
19.5188

■ 36.0805, 36.4984,  
25.8436

■ 38.9051, 40.0147,  
33.3605

■ 42.0608, 43.8235,  
42.1277

# Harmonies

## Analogous

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



30.7424, 19.3047, 6.6045



24.3243, 19.3047, 2.4441



17.4259, 19.3047, 1.7124

# Triad

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



24.3243, 19.3047, 2.4441



8.4882, 19.3047, 23.8237



26.3393, 19.3047, 66.6717

# Complementary

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



24.3243, 19.3047, 2.4441



11.8218, 9.8009, 46.6156

# 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.



19.3032, 19.3047, 80.7996



24.3243, 19.3047, 2.4441



9.8340, 19.3047, 48.3621

# Square

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



24.3243, 19.3047, 2.4441



9.2276, 19.3047, 8.9984



13.4416, 19.3047, 72.6444



32.0854, 19.3047, 40.6934



# Rectangle

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



24.3243, 19.3047, 2.4441



13.6669, 19.3047, 2.3574



13.4416, 19.3047, 72.6444



23.9931, 19.3047, 73.4894

# Sweetspot

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



24.3247, 19.3057, 2.4444



65.1639, 65.8564, 46.2204



21.4414, 10.8601, 9.7424



13.6260, 13.6579, 8.8846



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.



24.3247, 19.3057, 2.4444



43.8530, 34.5121, 4.3502



35.4697, 43.7298, 6.5713



9.3981, 9.7992, 9.5030



16.8359, 13.4482, 1.7084



0.6546, 0.5962, 0.0806



# Inverse Universe

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



11.8218, 9.8009, 46.6156



21.1974, 17.3010, 84.4268



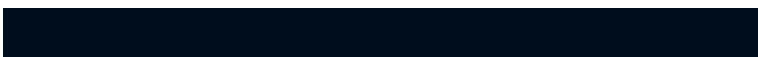
8.7285, 3.5003, 45.5625



8.8498, 9.3767, 11.4229



8.2165, 6.8926, 32.1504



0.3516, 0.3670, 1.1540



# Previews

## White Background



This preview shows how the XYZ color 24.3243, 19.3047, 2.4441 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 24.3243, 19.3047, 2.4441 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 24.3243, 19.3047, 2.4441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3243, 19.3047, 2.4441.



This preview shows how white text looks on a background with the XYZ color 24.3243, 19.3047,



# 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

24.3243, 19.3047, 2.4441

### Protanopia

17.6504, 19.6037, 3.3055

### Deuteranopia

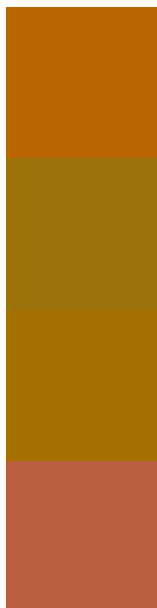
19.5718, 19.3608, 2.7055



## Tritanopia

26.7081, 19.3136, 14.3768

# Trichromacy



## Original Color

24.3243, 19.3047, 2.4441

## Protanomaly

19.7031, 19.2519, 2.9647

## Deuteranomaly

21.0930, 19.1512, 2.5848

## Tritanomaly

25.3580, 19.1750, 7.2151

# Monochromacy



## Original Color

24.3243, 19.3047, 2.4441

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

17.3187, 16.9073, 8.6540

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3243, 19.3047, 2.4441 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(184, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 100, 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(184, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 100, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3243, 19.3047, 2.4441 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(184, 100, 0) }
```



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

```
.border{ border-color:rgb(184, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 100,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3243, 19.3047, 2.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 100, 0) }
```

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

```
.background{ background-color: rgb(184,  
100, 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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