

Converting Colors

XYZ(24.3787, 19.7678, 2.5307)

Have a look what the booklet for
XYZ(24.3787, 19.7678, 2.5307)
contains.

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Color

**XYZ(24.3787, 19.7678,
2.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	B76700
RGB	183, 103, 0
RGB Percent	72%, 40%, 0%
CMY	0.2824, 0.5961, 1.0000
CMYK	0.00, 0.44, 1.00, 0.28
HSL	34°, 100%, 36%
HSV	34°, 100%, 72%
XYZ	24.3787, 19.7678, 2.5307
YIQ	115.1780, 80.7430, -15.0730

Conversions

Conversions Part 2

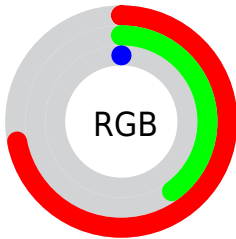
Format	Color
RYB	142, 183, 0
Decimal	12019456
CIELab	51.57, 26.42, 59.43
CIELCh	52, 65.037, 66.034
Yxy	19.7678, 0.5223, 0.4235
Android (android.graphics.Color)	4290209536 (0xFFB76700)
YUV	115.1780, -56.7828, 59.4799
Hunter-Lab	44.4610, 20.0678, 27.7479

Details

The XYZ color **24.3787, 19.7678, 2.5307** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.4160, 9.1563, 45.9650**, and the grayscale version is **16.5005, 17.3598, 18.9048**.

A 20% lighter version of the original color is **50.3029, 43.2253, 10.5426**, and **9.5346, 6.9433, 0.8377** is the 20% darker color. If you saturate the color by 10%, you get **24.3788, 19.7682, 2.5307**, and if you desaturate by 10%, it is **25.3250, 21.4819, 3.3972**.

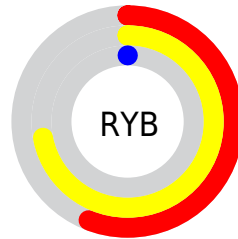
Distribution



Red (72%)

Green (40%)

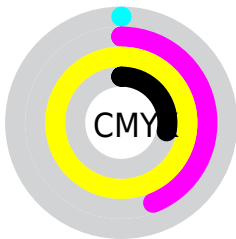
Blue (0%)



Red (56%)

Yellow (72%)

Blue (0%)

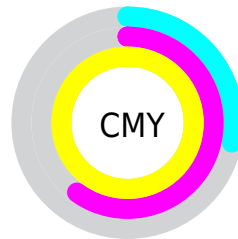


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3787, 19.7678, 2.5307 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 24.3787, 19.7678, 2.5307 by changing the saturation by 10% instead.

■ 24.3787, 19.7678,
2.5307

■ 24.3787, 19.7678,
2.5307

267.1346,
250.6553, 130.1386

■ 15.7410, 12.2264,
0.8564

■ 50.0977, 43.0275,
10.4466

■ 9.4308, 6.8980,
0.0000

■ 67.9097, 59.5146,
17.5293

■ 5.0826, 3.3984,
0.0000

■ 89.5105, 79.7524,
27.2531

■ 2.3310, 1.3431,
0.0000

■ 115.2656,
104.1253, 40.0366

■ 0.8105, 0.1742,
0.0000

■ 145.5401,
133.0176, 56.2984

■ 0.0000, 0.0000,
0.0000

■ 180.6996,

166.8138, 76.4569

221.1093,
205.8982, 100.9308

24.3787, 19.7678,
2.5307

24.3787, 19.7678,
2.5307

24.3788, 19.7682,
2.5307

25.3250, 21.4819,
3.3972

26.4535, 23.3932,
4.8392

27.8056, 25.5221,
7.0635

29.4023, 27.8802,
10.1711

31.2616, 30.4774,
14.2476

■ 33.3994, 33.3232,
19.3684

■ 35.8303, 36.4260,
25.6013

■ 38.5675, 39.7937,
33.0084

■ 41.6236, 43.4341,
41.6472

Harmonies

Analogous

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



30.9150, 19.7678, 6.5204



24.3787, 19.7678, 2.5307



17.4964, 19.7678, 1.8950

Triad

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



24.3787, 19.7678, 2.5307



8.8460, 19.7678, 25.5397



27.2078, 19.7678, 65.8105

Complementary

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



24.3787, 19.7678, 2.5307



11.4160, 9.1563, 45.9650

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.



20.1431, 19.7678, 80.9507



24.3787, 19.7678, 2.5307



10.3380, 19.7678, 50.4536

Square

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



24.3787, 19.7678, 2.5307



9.4748, 19.7678, 9.9514



14.1261, 19.7678, 74.1200



32.7959, 19.7678, 39.7358

Rectangle

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



24.3787, 19.7678, 2.5307



13.7883, 19.7678, 2.6650



14.1261, 19.7678, 74.1200



24.8719, 19.7678, 72.8730

Sweetspot

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



24.3791, 19.7689, 2.5311



63.9418, 64.9502, 45.2453



21.0648, 10.6819, 9.0049



13.7067, 13.8192, 8.9115



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.



24.3791, 19.7689, 2.5311



43.4288, 34.9377, 4.4547



34.3555, 42.8481, 6.4600



9.4126, 9.8282, 9.5078



17.0765, 13.9293, 1.7886



0.6624, 0.6119, 0.0832

Inverse Universe

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



11.4160, 9.1563, 45.9650



20.2250, 15.9571, 82.2498



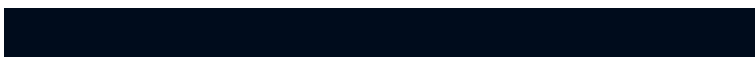
8.6619, 3.4781, 45.0142



8.8354, 9.3481, 11.4181



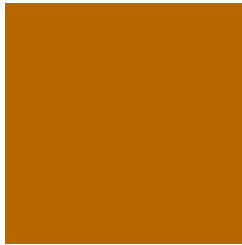
8.0297, 6.5190, 32.0882



0.3449, 0.3534, 1.1518

Previews

White Background



This preview shows how the XYZ color 24.3787, 19.7678, 2.5307 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 24.3787, 19.7678, 2.5307 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 24.3787, 19.7678, 2.5307

Background



This preview shows how black text looks on a background with the XYZ color 24.3787, 19.7678, 2.5307.



This preview shows how white text looks on a background with the XYZ color 24.3787, 19.7678,

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

24.3787, 19.7678, 2.5307

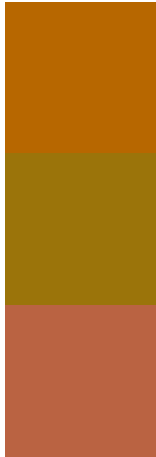
Protanopia

17.9413, 19.9388, 3.3549

Tritanopia

27.1246, 19.9098, 15.2453

Trichromacy



Original Color

24.3787, 19.7678, 2.5307

Protanomaly

19.8177, 19.4813, 3.0029

Tritanomaly

25.6949, 19.7561, 7.6133

Monochromacy



Original Color

24.3787, 19.7678, 2.5307

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7023, 17.4254, 8.7338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3787, 19.7678, 2.5307 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 103, 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(183, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.3787, 19.7678, 2.5307 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, 103, 0) }
```

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

```
.border{ border-color:rgb(183, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 103,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 24.3787, 19.7678, 2.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 103, 0) }
```

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

```
.background{ background-color: rgb(183,  
103, 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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