

Converting Colors

XYZ(23.7840, 19.6647, 3.7919)

Have a look what the booklet for
XYZ(23.7840, 19.6647, 3.7919)
contains.

XYZ(23.8763, 19.7806, 3.7879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8763, 19.7806,
3.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	B3691E
RGB	179, 105, 30
RGB Percent	70%, 41%, 12%
CMY	0.2980, 0.5882, 0.8823
CMYK	0.00, 0.41, 0.83, 0.30
HSL	30°, 71%, 41%
HSV	30°, 83%, 70%
XYZ	23.8763, 19.7806, 3.7879
YIQ	118.5760, 68.1790, -7.6370

Conversions

Conversions Part 2

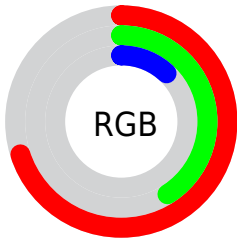
Format	Color
RYB	177, 179, 30
Decimal	11757854
CIELab	51.59, 24.16, 51.24
CIELCh	52, 56.651, 64.759
Yxy	19.7806, 0.5032, 0.4169
Android (android.graphics.Color)	4289947934 (0xFFB3691E)
YUV	118.5760, -43.6680, 52.9918
Hunter-Lab	44.4754, 17.9945, 26.0831

Details

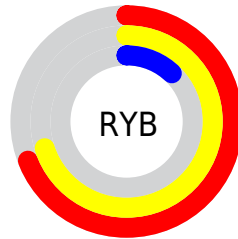
The XYZ color **23.8763, 19.7806, 3.7879** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.6220, 13.4306, 44.5218**, and the grayscale version is **17.5196, 18.4320, 20.0724**.

A 20% lighter version of the original color is **49.4774, 43.2333, 13.5217**, and **9.3483, 6.9912, 0.8567** is the 20% darker color. If you saturate the color by 10%, you get **22.8507, 17.9974, 2.6206**, and if you desaturate by 10%, it is **25.1272, 21.8071, 5.6706**.

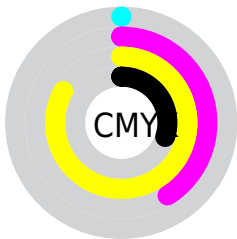
Distribution



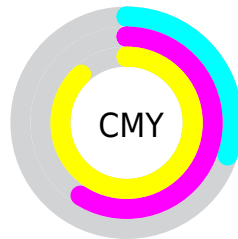
- Red (70%)
- Green (41%)
- Blue (12%)



- Red (69%)
- Yellow (70%)
- Blue (12%)



- Cyan (0%)
- Magenta (41%)
- Yellow (83%)
- Black (30%)



- Cyan (30%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8763, 19.7806, 3.7879 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 23.8763, 19.7806, 3.7879 by changing the saturation by 10% instead.

■ 23.8763, 19.7806,
3.7879

■ 23.8763, 19.7806,
3.7879

264.6466,
250.7249, 145.8379

■ 15.3661, 12.2357,
1.5097

■ 49.2844, 43.0490,
13.5176

■ 9.1647, 6.9044,
0.2252

■ 66.9131, 59.5413,
21.8061

■ 4.9068, 3.4024,
0.0000

■ 88.3119, 79.7849,
32.9352

■ 2.2268, 1.3452,
0.0000

■ 113.8463,
104.1640, 47.3234

■ 0.7568, 0.1758,
0.0000

■ 143.8816,
133.0632, 65.3893

■ 0.0000, 0.0000,
0.0000

■ 178.7832,

166.8668, 87.5512

218.9164,
205.9592, 114.2279

23.8763, 19.7806,
3.7879

23.8763, 19.7806,
3.7879

22.8507, 17.9974,
2.6206

25.1272, 21.8071,
5.6706

22.2553, 16.9138,
2.0917

26.6240, 24.0871,
8.3698

28.3859, 26.6332,
11.9711

30.4294, 29.4561,
16.5490

32.7694, 32.5659,
22.1700

■ 35.4197, 35.9717,
28.8948

■ 38.3931, 39.6824,
36.7794

■ 41.7015, 43.7064,
45.8759

■ 45.3564, 48.0516,
56.2333

Harmonies

Analogous

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



29.3277, 19.7806, 8.1342



23.8763, 19.7806, 3.7879



17.9054, 19.7806, 2.9510

Triad

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



23.8763, 19.7806, 3.7879



9.8521, 19.7806, 24.2505



25.7729, 19.7806, 59.0223

Complementary

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



23.8763, 19.7806, 3.7879



13.6220, 13.4306, 44.5218

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.



19.7257, 19.7806, 70.4546



23.8763, 19.7806, 3.7879



11.1531, 19.7806, 44.8684

Square

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



23.8763, 19.7806, 3.7879



10.5228, 19.7806, 10.7282



14.5011, 19.7806, 64.2747



30.5688, 19.7806, 37.9005

Rectangle

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



23.8763, 19.7806, 3.7879



14.5714, 19.7806, 3.7530



14.5011, 19.7806, 64.2747



23.7786, 19.7806, 64.5060

Sweetspot

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



23.8767, 19.7816, 3.7883



62.3513, 63.0471, 48.9466



21.5788, 11.5220, 14.3171



13.4440, 13.4942, 9.9007



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8767, 19.7816, 3.7883



39.6342, 29.8427, 3.6713



34.9446, 41.9173, 7.4775



8.8380, 9.1886, 8.9603



15.7920, 12.0826, 1.4998



0.5552, 0.4968, 0.0666

Inverse Universe

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



13.6220, 13.4306, 44.5218



20.7306, 18.1451, 78.7909



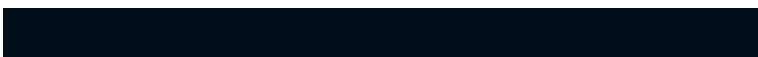
9.1364, 4.4594, 43.0266



8.3789, 8.9040, 10.7834



8.3330, 7.4663, 31.1389



0.3206, 0.3517, 0.9992

Previews

White Background



This preview shows how the XYZ color 23.8763, 19.7806, 3.7879 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 23.8763, 19.7806, 3.7879 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 23.8763, 19.7806, 3.7879

Background



This preview shows how black text looks on a background with the XYZ color 23.8763, 19.7806, 3.7879.



This preview shows how white text looks on a background with the XYZ color 23.8763, 19.7806,

3.7879.

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

23.8763, 19.7806, 3.7879

Protanopia

18.1585, 20.0256, 4.4984

Deuteranopia

20.2365, 19.8564, 3.6303



Tritanopia

26.4459, 19.8226, 15.7969

Trichromacy



Original Color

23.8763, 19.7806, 3.7879

Protanomaly

19.9622, 19.7024, 4.1897

Deuteranomaly

21.4014, 19.7773, 3.6667

Tritanomaly

25.3202, 19.8025, 9.6955

Monochromacy



Original Color

23.8763, 19.7806, 3.7879

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.7221, 18.3855, 11.5788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8763, 19.7806, 3.7879 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(179, 105, 30)` looks like.

```
.text, #text, p{  
    color:rgb(179, 105, 30)  
}
```

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(179, 105, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 105, 30) }
```

Border

The CSS property to change the border of an element to XYZ 23.8763, 19.7806, 3.7879 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(179, 105, 30) }
```


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

```
.border{ border-color:rgb(179, 105, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 105, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 105, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 105, 30);  
box-shadow:4px 4px 4px 4px rgb(179, 105,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8763, 19.7806, 3.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 105, 30) }
```

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

```
.background{ background-color: rgb(179,  
105, 30) }
```

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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