

Converting Colors

XYZ(19.4733, 23.4667, 3.5032)

Have a look what the booklet for
XYZ(19.4733, 23.4667, 3.5032)
contains.

XYZ(19.5697, 23.5802, 3.5200)	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(19.5697, 23.5802,
3.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8A00
RGB	138, 138, 0
RGB Percent	54%, 54%, 0%
CMY	0.4588, 0.4588, 1.0000
CMYK	0.00, 0.00, 1.00, 0.46
HSL	60°, 100%, 27%
HSV	60°, 100%, 54%
XYZ	19.5697, 23.5802, 3.5200
YIQ	122.2680, 44.2980, -42.9180

Conversions

Conversions Part 2

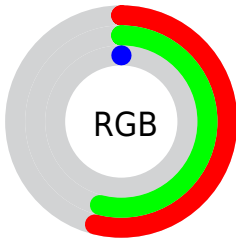
Format	Color
RYB	0, 138, 0
Decimal	9079296
CIELab	55.67, -13.65, 59.85
CIElCh	56, 61.386, 102.852
Yxy	23.5802, 0.4193, 0.5053
Android (android.graphics.Color)	4287269376 (0xFF8A8A00)
YUV	122.2680, -60.2781, 13.7970
Hunter-Lab	48.5594, -13.0426, 29.6938

Details

The XYZ color **19.5697, 23.5802, 3.5200** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.5880, 1.8354, 24.1587**, and the grayscale version is **18.7683, 19.7457, 21.5030**.

A 20% lighter version of the original color is **42.2107, 49.2934, 12.9201**, and **7.1459, 8.8643, 1.3343** is the 20% darker color. If you saturate the color by 10%, you get **19.5702, 23.5813, 3.5202**, and if you desaturate by 10%, it is **19.6482, 23.6125, 3.9309**.

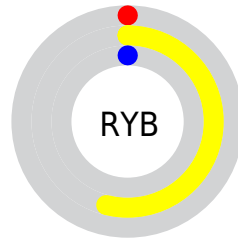
Distribution



Red (54%)

Green (54%)

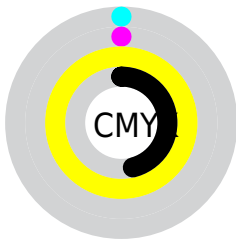
Blue (0%)



Red (0%)

Yellow (54%)

Blue (0%)

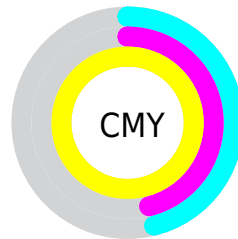


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5697, 23.5802, 3.5200 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 19.5697, 23.5802, 3.5200 by changing the saturation by 10% instead.

■ 19.5697, 23.5802,
3.5200

■ 19.5697, 23.5802,
3.5200

242.4542,
270.6912, 142.7306

■ 12.1891, 15.0225,
1.3659

■ 42.2040, 49.3443,
12.8867

■ 6.9457, 8.8352,
0.1149

■ 58.1885, 67.3194,
20.9363

■ 3.4742, 4.6338,
0.0000

■ 77.7716, 89.2026,
31.7882

■ 1.4092, 2.0341,
0.0000

■ 101.3187,
115.3780, 45.8609


■ 0.2628, 0.6272,
0.0000


■ 129.1951,
146.2302, 63.5730


■ 0.0000, 0.0000,
0.0000


■ 161.7663,


182.1436, 85.3429


 199.3976,
223.5024, 111.5893


 19.5697, 23.5802,
3.5200


 19.5697, 23.5802,
3.5200


 19.5702, 23.5813,
3.5202

 19.6482, 23.6125,
3.9309

 19.7753, 23.6633,
4.5996

 19.9778, 23.7444,
5.6658

 20.2651, 23.8593,
7.1783

 20.6451, 24.0113,
9.1787

■ 21.1247, 24.2031,
11.7040

■ 21.7103, 24.4374,
14.7875

■ 22.4078, 24.7164,
18.4598

■ 23.2224, 25.0423,
22.7494

Harmonies

Analogous

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



26.5872, 23.5802, 3.7211



19.5697, 23.5802, 3.5200



14.4979, 23.5802, 6.5983

Triad

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



19.5697, 23.5802, 3.5200



13.9745, 23.5802, 61.4837



37.7577, 23.5802, 38.6908

Complementary

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



19.5697, 23.5802, 3.5200



4.5880, 1.8354, 24.1587

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.



32.7830, 23.5802, 65.1866



19.5697, 23.5802, 3.5200



18.6990, 23.5802, 82.3452

Square

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



19.5697, 23.5802, 3.5200



11.7464, 23.5802, 35.1617



25.5176, 23.5802, 83.9705



38.1259, 23.5802, 18.0692

Rectangle

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



19.5697, 23.5802, 3.5200



12.5013, 23.5802, 11.8732



25.5176, 23.5802, 83.9705



36.5281, 23.5802, 47.3928

Sweetspot

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



19.5702, 23.5813, 3.5205



38.1932, 43.0436, 25.6805



10.4820, 5.4038, 0.4909



8.4785, 9.6192, 5.2964



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.5702, 23.5813, 3.5205



34.4938, 41.5637, 6.2046



11.5438, 19.4435, 3.1449



5.4310, 5.8450, 5.3943



17.9420, 21.6194, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



4.5880, 1.8354, 24.1587



8.0863, 3.2345, 42.5813



7.0426, 3.1008, 24.2735



4.7747, 4.8923, 6.2985



4.2061, 1.6824, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 19.5697, 23.5802, 3.5200 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 19.5697, 23.5802, 3.5200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

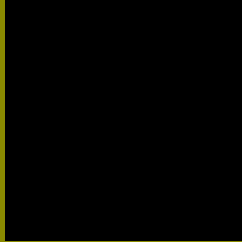
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5697, 23.5802, 3.5200

Background



This preview shows how black text looks on a background with the XYZ color 19.5697, 23.5802, 3.5200.



This preview shows how white text looks on a background with the XYZ color 19.5697, 23.5802,

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

19.5697, 23.5802, 3.5200

Protanopia

21.2876, 23.6295, 3.4390

Deuteranopia

23.8732, 23.5577, 3.9983



Tritanopia

24.3392, 23.4764, 27.2933

Trichromacy



Original Color

19.5697, 23.5802, 3.5200

Protanomaly

20.5180, 23.4389, 3.4428

Deuteranomaly

22.0936, 23.4298, 3.7387

Tritanomaly

21.5143, 23.1364, 12.5644

Monochromacy



Original Color

19.5697, 23.5802, 3.5200

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9964, 20.5776, 10.2311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5697, 23.5802, 3.5200 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(138, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 138, 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(138, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5697, 23.5802, 3.5200 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(138, 138, 0) }
```


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

```
.border{ border-color:rgb(138, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5697, 23.5802, 3.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 138, 0) }
```

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

```
.background{ background-color: rgb(138,  
138, 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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