

Converting Colors

XYZ(23.1910, 30.1761, 3.1560)

Have a look what the booklet for
XYZ(23.1910, 30.1761, 3.1560)
contains.

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Color

**XYZ(23.3822, 30.2045,
4.5977)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9E00
RGB	142, 158, 0
RGB Percent	56%, 62%, 0%
CMY	0.4431, 0.3804, 0.9999
CMYK	0.10, 0.00, 1.00, 0.38
HSL	66°, 100%, 31%
HSV	66°, 100%, 62%
XYZ	23.3822, 30.2045, 4.5977
YIQ	135.2040, 41.1820, -52.5300

Conversions

Conversions Part 2

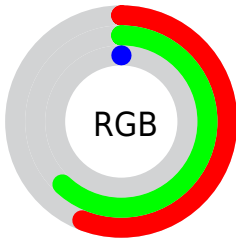
Format	Color
RYB	0, 158, 16
Decimal	9346560
CIELab	61.83, -22.18, 64.55
CIELCh	62, 68.250, 108.965
Yxy	30.2045, 0.4019, 0.5191
Android (android.graphics.Color)	4287536640 (0xFF8E9E00)
YUV	135.2040, -66.6556, 5.9601
Hunter-Lab	54.9586, -20.2346, 33.5110

Details

The XYZ color **23.3822, 30.2045, 4.5977** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3861, 2.5794, 32.5109**, and the grayscale version is **23.3356, 24.5508, 26.7358**.

A 20% lighter version of the original color is **48.2993, 59.7101, 15.2829**, and **9.1882, 12.5416, 1.9365** is the 20% darker color. If you saturate the color by 10%, you get **23.3826, 30.2057, 4.5979**, and if you desaturate by 10%, it is **23.7516, 30.3853, 5.0961**.

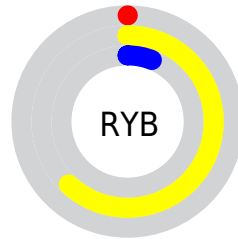
Distribution



Red (56%)

Green (62%)

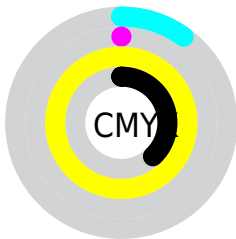
Blue (0%)



Red (0%)

Yellow (62%)

Blue (6%)

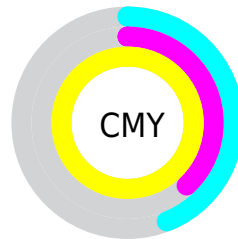


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (44%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3822, 30.2045, 4.5977 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 23.3822, 30.2045, 4.5977 by changing the saturation by 10% instead.

■ 23.3822, 30.2045,
4.5977

■ 23.3822, 30.2045,
4.5977

262.1809,
302.8565, 154.6536

■ 14.9982, 19.9939,
1.9586

■ 48.4822, 59.9854,
15.3663

■ 8.9044, 12.3906,
0.5297

■ 65.9289, 80.3245,
24.3330

■ 4.7355, 7.0103,
0.0000

■ 87.1273, 104.8085,
36.2459

■ 2.1261, 3.4685,
0.0000

■ 112.4426,
133.8219, 51.5237

■ 0.7033, 1.3810,
0.0000

■ 142.2403,
167.7490, 70.5848

■ 0.0000, 0.2026,
0.0000

■ 176.8856,

■ 0.0000, 0.0000,

206.9742, 93.8478

0.0000

216.7440,
251.8819, 121.7312

23.3822, 30.2045,
4.5977

23.3822, 30.2045,
4.5977

23.3826, 30.2057,
4.5979

23.7516, 30.3853,
5.0961

24.1955, 30.5953,
5.9695

24.7461, 30.8484,
7.3836

25.4164, 31.1499,
9.4073

26.2176, 31.5041,
12.0994

■ 27.1595, 31.9152,
15.5117

■ 28.2511, 32.3865,
19.6909

■ 29.5005, 32.9215,
24.6799

■ 30.9152, 33.5231,
30.5183

Harmonies

Analogous

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



32.1944, 30.2045, 4.1306



23.3822, 30.2045, 4.5977



17.4162, 30.2045, 9.7193

Triad

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



23.3822, 30.2045, 4.5977



18.6733, 30.2045, 87.1184



49.5688, 30.2045, 43.4575

Complementary

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



23.3822, 30.2045, 4.5977



6.3861, 2.5794, 32.5109

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.



44.0573, 30.2045, 78.0565



23.3822, 30.2045, 4.5977



25.4837, 30.2045, 110.8189

Square

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



23.3822, 30.2045, 4.5977



15.1217, 30.2045, 52.0404



34.7878, 30.2045, 106.8303



48.6715, 30.2045, 19.1262

Rectangle

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



23.3822, 30.2045, 4.5977



15.2633, 30.2045, 17.9642



34.7878, 30.2045, 106.8303



48.3645, 30.2045, 54.3871

Sweetspot

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



23.3829, 30.2059, 4.5983



51.1752, 58.7564, 35.2645



14.2840, 7.6346, 0.7212



11.3538, 13.1675, 7.2395



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3829, 30.2059, 4.5983



42.3630, 54.8002, 8.3447



14.2910, 25.5188, 4.1728



7.1039, 7.6862, 7.0948



18.7449, 24.2001, 3.6831



0.3523, 0.4416, 0.0667

Inverse Universe

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



6.3861, 2.5794, 32.5109



11.5152, 4.6416, 59.0325



10.8715, 4.8917, 32.7208



6.3440, 6.4658, 8.3203



5.1312, 2.0742, 26.0372



0.1078, 0.0454, 0.4663

Previews

White Background



This preview shows how the XYZ color 23.3822, 30.2045, 4.5977 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.3822, 30.2045, 4.5977 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 ✓ Pass

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

XYZ 23.3822, 30.2045, 4.5977

Background



This preview shows how black text looks on a background with the XYZ color 23.3822, 30.2045, 4.5977.



This preview shows how white text looks on a background with the XYZ color 23.3822, 30.2045,

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

23.3822, 30.2045, 4.5977

Deuteranopia

30.5985, 30.1119, 5.1768

Tritanopia

29.9317, 30.2061, 36.6005

Trichromacy



Original Color

23.3822, 30.2045, 4.5977

Deuteranomaly

27.4857, 29.8782, 4.8487

Tritanomaly

25.9932, 29.5568, 16.6470

Monochromacy



Original Color

23.3822, 30.2045, 4.5977

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.9834, 25.7201, 12.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3822, 30.2045, 4.5977 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(142, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 158, 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(142, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.3822, 30.2045, 4.5977 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(142, 158, 0) }
```

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

```
.border{ border-color:rgb(142, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 158,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 23.3822, 30.2045, 4.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 158, 0) }
```

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

```
.background{ background-color: rgb(142,  
158, 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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