

Converting Colors

XYZ(23.9288, 36.5656, 5.7967)

Have a look what the booklet for
XYZ(23.9288, 36.5656, 5.7967)
contains.

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Color

**XYZ(23.9290, 36.5645,
5.7965)**

Conversions

Conversions Part 1

Format	Color
Hex	77B400
RGB	119, 180, 0
RGB Percent	47%, 71%, 0%
CMY	0.5333, 0.2941, 0.9999
CMYK	0.34, 0.00, 1.00, 0.29
HSL	80°, 100%, 35%
HSV	80°, 100%, 71%
XYZ	23.9290, 36.5645, 5.7965
YIQ	141.2410, 21.4240, -68.9120

Conversions

Conversions Part 2

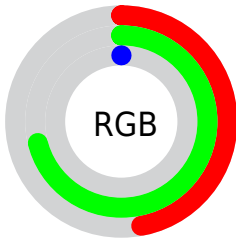
Format	Color
RYB	0, 180, 61
Decimal	7844864
CIELab	66.95, -41.82, 67.78
CIELCh	67, 79.643, 121.676
Yxy	36.5645, 0.3610, 0.5516
Android (android.graphics.Color)	4286034944 (0xFF77B400)
YUV	141.2410, -69.6318, -19.5054
Hunter-Lab	60.4686, -35.1829, 36.6445

Details

The XYZ color **23.9290, 36.5645, 5.7965** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.1648, 4.2887, 43.4743**, and the grayscale version is **25.6730, 27.0100, 29.4139**.

A 20% lighter version of the original color is **49.2395, 69.7568, 17.8904**, and **9.5760, 16.2029, 2.6228** is the 20% darker color. If you saturate the color by 10%, you get **23.9288, 36.5656, 5.7967**, and if you desaturate by 10%, it is **24.9035, 37.0555, 6.4130**.

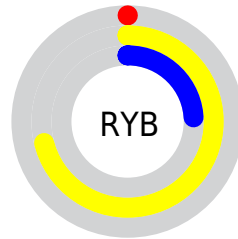
Distribution



Red (47%)

Green (71%)

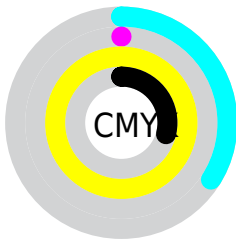
Blue (0%)



Red (0%)

Yellow (71%)

Blue (24%)

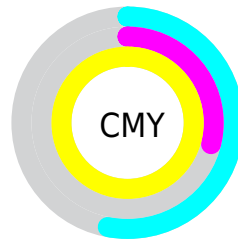


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (53%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9290, 36.5645, 5.7965 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 23.9290, 36.5645, 5.7965 by changing the saturation by 10% instead.


 23.9290, 36.5645,
5.7965


 23.9290, 36.5645,
5.7965


264.9085,
331.4212, 166.4835


 15.4054, 24.8705,
2.6550


 49.3698, 69.9025,
17.9773


 9.1926, 15.9806,
0.9206


 67.0178, 92.3152,
27.8537

 4.9251, 9.5104,
0.0000


 88.4379, 119.0697,
40.8121

 2.2377, 5.0756,
0.0000

 113.9956,
150.5502, 57.2711

 0.7625, 2.2917,
0.0000

 144.0561,
187.1412, 77.6492

 0.0000, 0.7693,
0.0000

 178.9848,

 0.0000, 0.0000,

229.2271, 102.3649

0.0000

219.1472,
277.1923, 131.8368

■ 23.9290, 36.5645,
5.7965

■ 23.9290, 36.5645,
5.7965

■ 23.9288, 36.5656,
5.7967

■ 24.9035, 37.0555,
6.4130

■ 26.0322, 37.6131,
7.5587

■ 27.3546, 38.2547,
9.4347

■ 28.8902, 38.9881,
12.1373

■ 30.6552, 39.8199,
15.7480

■ 32.6642, 40.7560,
20.3386

■ 34.9303, 41.8019,
25.9737

■ 37.4656, 42.9623,
32.7126

■ 40.2811, 44.2419,
40.6097

Harmonies

Analogous

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



34.0787, 36.5645, 3.4696



23.9290, 36.5645, 5.7965



18.0564, 36.5645, 15.8587

Triad

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



23.9290, 36.5645, 5.7965



24.8580, 36.5645, 131.7533



63.5202, 36.5645, 37.8989

Complementary

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



23.9290, 36.5645, 5.7965



10.1648, 4.2887, 43.4743

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.



59.4679, 36.5645, 80.4424



23.9290, 36.5645, 5.7965



35.4371, 36.5645, 150.1711

Square

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



23.9290, 36.5645, 5.7965



18.4989, 36.5645, 85.9480



48.4309, 36.5645, 127.4808



58.5016, 36.5645, 14.1038

Rectangle

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



23.9290, 36.5645, 5.7965



16.4666, 36.5645, 30.9387



48.4309, 36.5645, 127.4808



63.1699, 36.5645, 50.2390

Sweetspot

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



23.9298, 36.5661, 5.7973



63.1056, 75.6874, 46.5093



20.4401, 12.9371, 1.4203



13.2608, 16.1844, 9.0945



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.



23.9298, 36.5661, 5.7973



43.1275, 66.1647, 10.4980



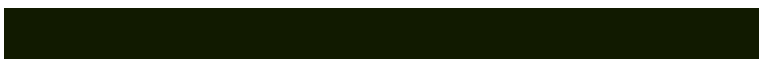
16.8581, 32.9205, 5.4663



8.9117, 9.7596, 9.0666



16.7739, 25.5573, 4.0490



0.5870, 0.8347, 0.1302

Inverse Universe

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



10.1648, 4.2887, 43.4743



18.2052, 7.6596, 78.8135



20.8178, 9.7805, 43.9728



8.3045, 8.3655, 10.6833



7.1587, 3.0262, 30.3438



0.2891, 0.1281, 0.9577

Previews

White Background



This preview shows how the XYZ color 23.9290, 36.5645, 5.7965 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 23.9290, 36.5645, 5.7965 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 23.9290, 36.5645, 5.7965

Background



This preview shows how black text looks on a background with the XYZ color 23.9290, 36.5645, 5.7965.



This preview shows how white text looks on a background with the XYZ color 23.9290, 36.5645,

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

23.9290, 36.5645, 5.7965

Protanopia

32.6256, 36.2617, 5.2796

Deuteranopia

36.7608, 36.0699, 6.6148



Tritanopia

32.4757, 36.2920, 49.0095

Trichromacy



Original Color

23.9290, 36.5645, 5.7965

Protanomaly

28.6852, 35.8495, 5.4078

Deuteranomaly

30.4756, 35.1365, 5.9349

Tritanomaly

27.0530, 35.4887, 21.6438

Monochromacy



Original Color

23.9290, 36.5645, 5.7965

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.2397, 29.1674, 14.0779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9290, 36.5645, 5.7965 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(119, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 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(119, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9290, 36.5645, 5.7965 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(119, 180, 0) }
```


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

```
.border{ border-color:rgb(119, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9290, 36.5645, 5.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 0) }
```

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

```
.background{ background-color: rgb(119,  
180, 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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