

Converting Colors

XYZ(23.4305, 38.9141, 11.4618)

Have a look what the booklet for
XYZ(23.4305, 38.9141, 11.4618)
contains.

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Color

**XYZ(23.4953, 39.0127,
11.4461)**

Conversions

Conversions Part 1

Format	Color
Hex	5BBD42
RGB	91, 189, 66
RGB Percent	36%, 74%, 26%
CMY	0.6431, 0.2588, 0.7412
CMYK	0.52, 0.00, 0.65, 0.26
HSL	108°, 48%, 50%
HSV	108°, 65%, 74%
XYZ	23.4953, 39.0127, 11.4461
YIQ	145.6760, -18.9250, -59.0290

Conversions

Conversions Part 2

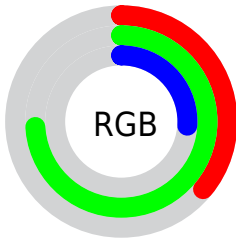
Format	Color
RYB	66, 189, 164
Decimal	6012226
CIELab	68.76, -51.55, 51.75
CIELCh	69, 73.042, 134.889
Yxy	39.0127, 0.3177, 0.5275
Android (android.graphics.Color)	4284202306 (0xFF5BBD42)
YUV	145.6760, -39.2803, -47.9509
Hunter-Lab	62.4601, -42.1599, 32.8569

Details

The XYZ color **23.4953, 39.0127, 11.4461** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.4457, 15.4645, 49.7374**, and the grayscale version is **27.3510, 28.7754, 31.3364**.

A 20% lighter version of the original color is **48.6800, 73.6330, 29.0997**, and **9.0228, 17.5123, 2.9334** is the 20% darker color. If you saturate the color by 10%, you get **21.6893, 38.1370, 8.9183**, and if you desaturate by 10%, it is **25.7852, 40.1190, 14.9591**.

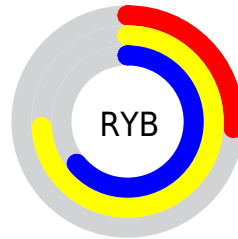
Distribution



Red (36%)

Green (74%)

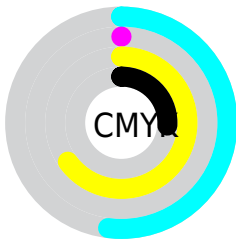
Blue (26%)



Red (26%)

Yellow (74%)

Blue (64%)

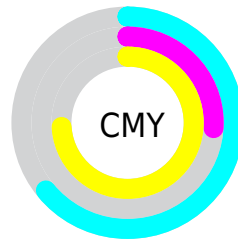


Cyan (52%)

Magenta (0%)

Yellow (65%)

Black (26%)



Cyan (64%)

Magenta (26%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4953, 39.0127, 11.4461 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 23.4953, 39.0127, 11.4461 by changing the saturation by 10% instead.

■ 23.4953, 39.0127,
11.4461

■ 23.4953, 39.0127,
11.4461

262.7469,
341.9445, 211.5491

■ 15.0824, 26.7696,
6.2498

■ 48.6660, 73.6577,
29.1313

■ 8.9639, 17.4003,
2.9263

■ 66.1545, 96.8284,
42.4574

■ 4.7746, 10.5203,
1.0571

■ 87.3989, 124.4105,
59.3304

■ 2.1490, 5.7453,
0.0000

■ 112.7646,
156.7883, 80.1689

■ 0.7156, 2.6908,
0.0000

■ 142.6169,
194.3461, 105.3915

■ 0.0000, 0.9725,
0.0000

177.3211,

■ 0.0000, 0.0000,

237.4686, 135.4167

0.0000

217.2427,
286.5399, 170.6631

■ 23.4953, 39.0127,
11.4461

■ 23.4953, 39.0127,
11.4461

■ 21.6893, 38.1370,
8.9183

■ 25.7852, 40.1190,
14.9591

■ 20.3276, 37.4700,
7.2724

■ 28.5890, 41.4659,
19.5416

■ 19.3681, 36.9939,
6.3869

■ 31.9374, 43.0687,
25.2720

■ 19.0129, 36.8167,
6.1043

■ 35.8579, 44.9400,
32.2204

■ 40.3761, 47.0918,
40.4516

■ 45.5160, 49.5349,
50.0256

■ 51.3001, 52.2798,
60.9987

■ 57.7501, 55.3366,
73.4240

■ 64.8864, 58.7146,
87.3517

Harmonies

Analogous

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



31.6544, 39.0127, 5.8690



23.4953, 39.0127, 11.4461



19.4871, 39.0127, 27.9437

Triad

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



23.4953, 39.0127, 11.4461



31.5797, 39.0127, 138.4126



62.9937, 39.0127, 28.1240

Complementary

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



23.4953, 39.0127, 11.4461



26.4457, 15.4645, 49.7374

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.



62.9620, 39.0127, 61.3395



23.4953, 39.0127, 11.4461



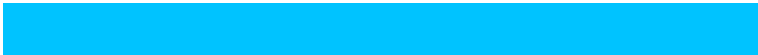
43.0935, 39.0127, 138.5528

Square

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



23.4953, 39.0127, 11.4461



23.4505, 39.0127, 105.1489



55.0946, 39.0127, 105.4679



55.1738, 39.0127, 11.5189

Rectangle

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



23.4953, 39.0127, 11.4461



19.0424, 39.0127, 48.1413



55.0946, 39.0127, 105.4679



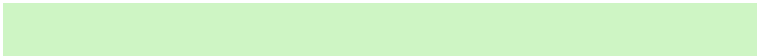
63.9464, 39.0127, 37.2776

Sweetspot

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



23.4962, 39.0144, 11.4470



67.9327, 82.2538, 64.4253



34.9534, 37.1782, 10.4887



14.1305, 17.4605, 12.9870



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.4962, 39.0144, 11.4470



37.7342, 67.7583, 14.5622



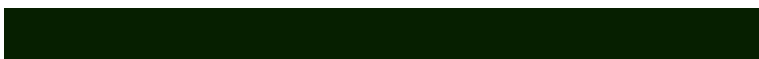
22.7872, 38.4919, 18.5030



9.5851, 10.7405, 10.1446



12.8436, 24.7970, 4.1094



0.5574, 0.9993, 0.1635

Inverse Universe

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



26.4457, 15.4645, 49.7374



43.2161, 22.3267, 88.2579



28.7812, 17.0544, 32.4139



9.7349, 9.5957, 12.0113



14.7801, 6.9055, 32.9468



0.6279, 0.2957, 1.2928

Previews

White Background



This preview shows how the XYZ color 23.4953, 39.0127, 11.4461 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 23.4953, 39.0127, 11.4461 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 23.4953, 39.0127, 11.4461

Background



This preview shows how black text looks on a background with the XYZ color 23.4953, 39.0127, 11.4461.



This preview shows how white text looks on a background with the XYZ color 23.4953, 39.0127,

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

23.4953, 39.0127, 11.4461

Protanopia

34.8840, 38.4028, 9.8489

Deuteranopia

39.1562, 38.4399, 12.1934



Tritanopia

32.1963, 38.8507, 55.0922

Trichromacy



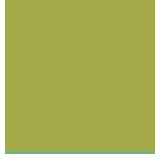
Original Color

23.4953, 39.0127, 11.4461



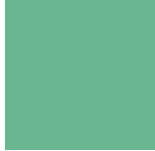
Protanomaly

28.9620, 37.5871, 10.2860



Deuteranomaly

30.8543, 37.1098, 11.6676



Tritanomaly

27.6560, 38.1872, 33.1074

Monochromacy



Original Color

23.4953, 39.0127, 11.4461



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.7354, 31.5606, 21.6177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4953, 39.0127, 11.4461 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(91, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(91, 189, 66)  
}
```

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(91, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 189, 66) }
```

Border

The CSS property to change the border of an element to XYZ 23.4953, 39.0127, 11.4461 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(91, 189, 66) }
```


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

```
.border{ border-color:rgb(91, 189, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 189, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(91, 189,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4953, 39.0127, 11.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 189, 66) }
```

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

```
.background{ background-color: rgb(91, 189,  
66) }
```

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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