

Converting Colors

$Y_{xy}(23.9169, 0.3752, 0.5191)$

Have a look what the booklet for
Yxy(23.9169, 0.3752, 0.5191)
contains.

Yxy(23.9169, 0.3752, 0.5191)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9169, 0.3752, 0.5191)

Conversions

Conversions Part 1

Format	Color
Hex	72911D
RGB	114, 145, 29
RGB Percent	45%, 57%, 11%
CMY	0.5529, 0.4314, 0.8861
CMYK	0.21, 0.00, 0.80, 0.43
HSL	76°, 67%, 34%
HSV	76°, 80%, 57%
XYZ	17.2869, 23.9169, 4.8700
YIQ	122.5070, 18.7600, -42.6480

Conversions

Conversions Part 2

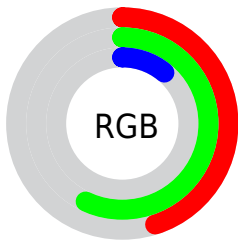
Format	Color
R_{YB}	29, 145, 60
Decimal	7508253
CIE _{Lab}	56.00, -27.08, 53.15
CIE _{LCh}	56, 59.651, 116.994
Yxy	23.9169, 0.3752, 0.5191
Android (android.graphics.Color)	4285698333 (0xFF72911D)
YUV	122.5070, -46.0990, -7.4606
Hunter-Lab	48.9049, -22.4875, 28.3293

Details

The Yxy color **23.9169, 0.3752, 0.5191** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.8872, 0.1929, 0.1011**, and the grayscale version is **19.7882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9220, 0.3680, 0.4786**, and **8.9975, 0.3625, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **23.6078, 0.3753, 0.5320**, and if you desaturate by 10%, it is **24.2730, 0.3727, 0.5018**.

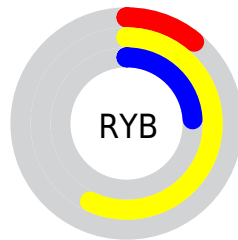
Distribution



Red (45%)

Green (57%)

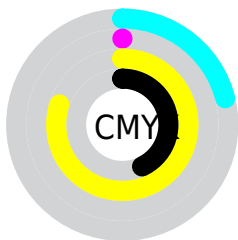
Blue (11%)



Red (11%)

Yellow (57%)

Blue (24%)

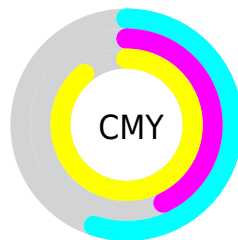


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (43%)



Cyan (55%)


Magenta (43%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9169, 0.3752, 0.5191 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 Yxy color 23.9169, 0.3752, 0.5191 by changing the saturation by 10% instead.


 23.9169, 0.3752,
0.5191


 23.9169, 0.3752,
0.5191


 272.4001, 0.3485,
0.4129


 15.2720, 0.3773,
0.5470


 49.8946, 0.3680,
0.4787

 9.0105, 0.3766,
0.5830

 67.9961, 0.3644,
0.4640


 4.7480, 0.3689,
0.6311

 90.0186, 0.3611,
0.4517

 2.1002, 0.3304,
0.6696

 116.3466, 0.3580,
0.4414

 0.6647, 0.0000,
1.0000

 147.3643, 0.3553,
0.4326

 0.0000, 0.0000,
0.0000

 183.4562, 0.3528,

0.4251

225.0066, 0.3505,
0.4186

■ 23.9169, 0.3752,
0.5191

■ 23.9169, 0.3752,
0.5191

■ 23.6078, 0.3753,
0.5320

■ 24.2730, 0.3727,
0.5018

■ 23.3310, 0.3737,
0.5415

■ 24.6772, 0.3678,
0.4807

■ 23.3303, 0.3736,
0.5415

■ 25.1342, 0.3610,
0.4568

■ 25.6474, 0.3526,
0.4311

■ 26.2198, 0.3432,
0.4047

■ 26.8540, 0.3331,
0.3784

■ 27.5528, 0.3229,
0.3530

■ 28.3184, 0.3127,
0.3289

■ 29.1531, 0.3028,
0.3065

Harmonies

Analogous

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



23.9169, 0.4593, 0.4689



23.9169, 0.3752, 0.5191



23.9169, 0.2806, 0.5002

Triad

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



23.9169, 0.3752, 0.5191



23.9169, 0.1455, 0.2133



23.9169, 0.4255, 0.2644

Complementary

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



23.9169, 0.3752, 0.5191



3.8872, 0.1929, 0.1011

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.



23.9169, 0.3183, 0.2139



23.9169, 0.3752, 0.5191



23.9169, 0.1692, 0.1835

Square

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



23.9169, 0.3752, 0.5191



23.9169, 0.1542, 0.2850



23.9169, 0.2265, 0.1854



23.9169, 0.5011, 0.3281

Rectangle

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



23.9169, 0.3752, 0.5191



23.9169, 0.2235, 0.4381



23.9169, 0.2265, 0.1854



23.9169, 0.3906, 0.2456

Sweetspot

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



23.9180, 0.3752, 0.5191



47.5612, 0.3377, 0.3902



9.3368, 0.5383, 0.3719



10.5008, 0.3409, 0.3986



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.9180, 0.3752, 0.5191



41.8815, 0.3737, 0.5391



21.1842, 0.3171, 0.5606



6.2139, 0.3220, 0.3510



20.0234, 0.3739, 0.5413



0.2022, 0.3965, 0.5234

Inverse Universe

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



3.8872, 0.1929, 0.1011



4.6652, 0.1702, 0.0731



6.7728, 0.2758, 0.1435



5.3204, 0.3029, 0.3066



2.1310, 0.1685, 0.0702



0.0300, 0.2114, 0.0938

Previews

White Background



This preview shows how the Yxy color 23.9169, 0.3752, 0.5191 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 Yxy color 23.9169, 0.3752, 0.5191 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](#).

Yxy 23.9169, 0.3752, 0.5191

Background



This preview shows how black text looks on a background with the Yxy color 23.9169, 0.3752, 0.5191.



This preview shows how white text looks on a background with the Yxy color 23.9169, 0.3752, 0.5191.

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

23.9169, 0.3752, 0.5191

Protanopia

23.7041, 0.4330, 0.4779

Deuteranopia

23.6435, 0.4557, 0.4473



Tritanopia

23.8389, 0.2920, 0.3100

Trichromacy



Original Color

23.9169, 0.3752, 0.5191

Protanomaly

23.6594, 0.4119, 0.4930

Deuteranomaly

23.4674, 0.4249, 0.4739

Tritanomaly

23.5821, 0.3305, 0.3954

Monochromacy



Original Color

23.9169, 0.3752, 0.5191

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9469, 0.3452, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9169, 0.3752, 0.5191 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(114, 145, 29)` looks like.

```
.text, #text, p{  
    color:rgb(114, 145, 29)  
}
```

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(114, 145, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 145, 29) }
```

Border

The CSS property to change the border of an element to Yxy 23.9169, 0.3752, 0.5191 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(114, 145, 29) }
```

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

```
.border{ border-color:rgb(114, 145, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 145, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 145, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 145, 29);  
box-shadow:4px 4px 4px 4px rgb(114, 145,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9169, 0.3752, 0.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 145, 29) }
```

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

```
.background{ background-color: rgb(114,  
145, 29) }
```

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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