

Converting Colors

$Y_{xy}(23.9151, 0.3636, 0.5201)$

Have a look what the booklet for
Yxy(23.9151, 0.3636, 0.5201)
contains.

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Color

Yxy(23.8049, 0.3638, 0.5202)

Conversions

Conversions Part 1

Format	Color
Hex	6B9223
RGB	107, 146, 35
RGB Percent	42%, 57%, 14%
CMY	0.5803, 0.4275, 0.8627
CMYK	0.27, 0.00, 0.76, 0.43
HSL	81°, 61%, 35%
HSV	81°, 76%, 57%
XYZ	16.6479, 23.8049, 5.3083
YIQ	121.6850, 12.3870, -42.7890

Conversions

Conversions Part 2

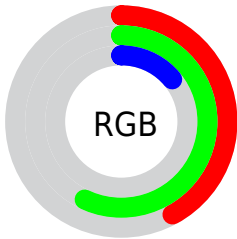
Format	Color
RYB	35, 146, 74
Decimal	7049763
CIELab	55.89, -30.12, 50.89
CIELCh	56, 59.137, 120.624
Yxy	23.8049, 0.3638, 0.5202
Android (android.graphics.Color)	4285239843 (0xFF6B9223)
YUV	121.6850, -42.7357, -12.8787
Hunter-Lab	48.7903, -24.4764, 27.7026

Details

The Yxy color **23.8049, 0.3638, 0.5202** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.7336, 0.2101, 0.1155**, and the grayscale version is **19.4953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6945, 0.3593, 0.4784**, and **8.9687, 0.3505, 0.5599** is the 20% darker color. If you saturate the color by 10%, you get **23.4280, 0.3635, 0.5365**, and if you desaturate by 10%, it is **24.2389, 0.3617, 0.4996**.

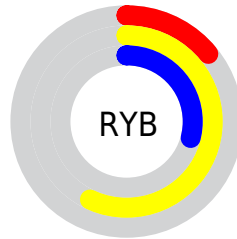
Distribution



Red (42%)

Green (57%)

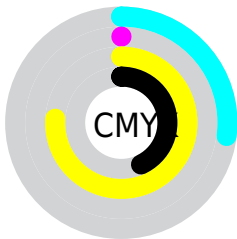
Blue (14%)



Red (14%)

Yellow (57%)

Blue (29%)

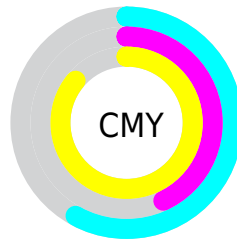


Cyan (27%)

Magenta (0%)

Yellow (76%)

Black (43%)



Cyan (58%)


Magenta (43%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8049, 0.3638, 0.5202 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 23.8049, 0.3638, 0.5202 by changing the saturation by 10% instead.


 23.8049, 0.3638,
0.5202


 23.8049, 0.3638,
0.5202

 271.8326, 0.3429,
0.4119


 15.1890, 0.3647,
0.5497


 49.7116, 0.3587,
0.4784

 8.9521, 0.3619,
0.5877


 67.7712, 0.3558,
0.4633


 4.7100, 0.3547,
0.6453

 89.7475, 0.3532,
0.4509

 2.0781, 0.3115,
0.6885

 116.0248, 0.3507,
0.4405

 0.6523, 0.0000,
1.0000

 146.9876, 0.3485,
0.4317

 0.0000, 0.0000,
0.0000

 183.0202, 0.3464,

0.4241

224.5071, 0.3446,
0.4176

■ 23.8049, 0.3638,
0.5202

■ 23.8049, 0.3638,
0.5202

■ 23.4280, 0.3635,
0.5365

■ 24.2389, 0.3617,
0.4996

■ 23.0987, 0.3611,
0.5482

■ 24.7311, 0.3574,
0.4757

■ 22.9756, 0.3599,
0.5524

■ 25.2863, 0.3514,
0.4495

■ 25.9079, 0.3440,
0.4223

■ 26.5991, 0.3357,
0.3950

■ 27.3627, 0.3269,
0.3685

■ 28.2015, 0.3180,
0.3433

■ 29.1178, 0.3092,
0.3199

■ 30.1143, 0.3008,
0.2983

Harmonies

Analogous

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



23.8049, 0.4497, 0.4761



23.8049, 0.3638, 0.5202



23.8049, 0.2700, 0.4902

Triad

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



23.8049, 0.3638, 0.5202



23.8049, 0.1475, 0.2084



23.8049, 0.4365, 0.2720

Complementary

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



23.8049, 0.3638, 0.5202



4.7336, 0.2101, 0.1155

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.



23.8049, 0.3311, 0.2196



23.8049, 0.3638, 0.5202



23.8049, 0.1750, 0.1830

Square

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



23.8049, 0.3638, 0.5202



23.8049, 0.1522, 0.2743



23.8049, 0.2364, 0.1883



23.8049, 0.5046, 0.3365

Rectangle

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



23.8049, 0.3638, 0.5202



23.8049, 0.2152, 0.4233



23.8049, 0.2364, 0.1883



23.8049, 0.4030, 0.2527

Sweetspot

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



23.8060, 0.3638, 0.5202



47.2564, 0.3335, 0.3881



11.1110, 0.5091, 0.3875



10.4190, 0.3363, 0.3969



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.



23.8060, 0.3638, 0.5202



40.9267, 0.3620, 0.5448



21.3998, 0.3114, 0.5563



6.6438, 0.3209, 0.3512



20.2318, 0.3602, 0.5522



0.2641, 0.3883, 0.5299

Inverse Universe

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



4.7336, 0.2101, 0.1155



5.6512, 0.1870, 0.0850



7.9728, 0.2931, 0.1569



5.7261, 0.3040, 0.3065



2.4634, 0.1793, 0.0761



0.0455, 0.2276, 0.1027

Previews

White Background



This preview shows how the Yxy color 23.8049, 0.3638, 0.5202 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 23.8049, 0.3638, 0.5202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

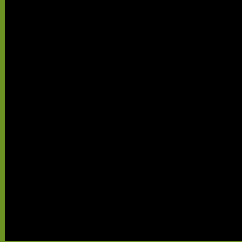
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8049, 0.3638, 0.5202

Background



This preview shows how black text looks on a background with the Yxy color 23.8049, 0.3638, 0.5202.



This preview shows how white text looks on a background with the Yxy color 23.8049, 0.3638, 0.5202.

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

23.8049, 0.3638, 0.5202

Protanopia

23.6385, 0.4289, 0.4746

Deuteranopia

23.5687, 0.4512, 0.4438



Tritanopia

23.7080, 0.2850, 0.3097

Trichromacy



Original Color

23.8049, 0.3638, 0.5202

Protanomaly

23.3551, 0.4042, 0.4918

Deuteranomaly

23.2231, 0.4183, 0.4719

Tritanomaly

23.4416, 0.3194, 0.3930

Monochromacy



Original Color

23.8049, 0.3638, 0.5202

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.7527, 0.3404, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8049, 0.3638, 0.5202 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(107, 146, 35)` looks like.

```
.text, #text, p{  
    color:rgb(107, 146, 35)  
}
```

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(107, 146, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 146, 35) }
```

Border

The CSS property to change the border of an element to Yxy 23.8049, 0.3638, 0.5202 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(107, 146, 35) }
```

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

```
.border{ border-color:rgb(107, 146, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 146, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 146, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 146, 35);  
box-shadow:4px 4px 4px 4px rgb(107, 146,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8049, 0.3638, 0.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 146, 35) }
```

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

```
.background{ background-color: rgb(107,  
146, 35) }
```

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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