

Converting Colors

$Y_{xy}(23.4332, 0.3203, 0.5325)$

Have a look what the booklet for
Yxy(23.4332, 0.3203, 0.5325)
contains.

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Color

Yxy(23.3956, 0.3206, 0.5323)

Conversions

Conversions Part 1

Format	Color
Hex	48962F
RGB	72, 150, 47
RGB Percent	28%, 59%, 18%
CMY	0.7177, 0.4117, 0.8156
CMYK	0.52, 0.00, 0.69, 0.41
HSL	105°, 52%, 39%
HSV	105°, 69%, 59%
XYZ	14.0910, 23.3956, 6.4653
YIQ	114.9360, -13.4250, -48.5690

Conversions

Conversions Part 2

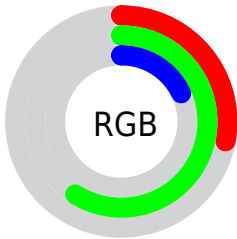
Format	Color
RYB	47, 150, 125
Decimal	4757039
CIELab	55.48, -43.46, 45.21
CIElCh	55, 62.715, 133.871
Yxy	23.3956, 0.3206, 0.5323
Android (android.graphics.Color)	4282947119 (0xFF48962F)
YUV	114.9360, -33.4924, -37.6549
Hunter-Lab	48.3690, -32.6447, 25.9332

Details

The Yxy color **23.3956, 0.3206, 0.5323** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.6021, 0.2811, 0.1613**, and the grayscale version is **17.2300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0565, 0.3242, 0.4850**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8985, 0.3182, 0.5576**, and if you desaturate by 10%, it is **24.0171, 0.3218, 0.5027**.

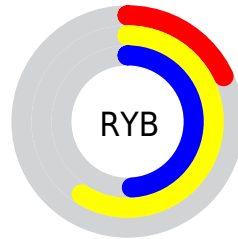
Distribution



Red (28%)

Green (59%)

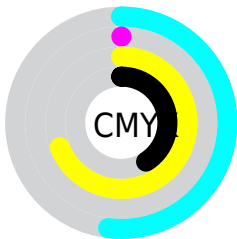
Blue (18%)



Red (18%)

Yellow (59%)

Blue (49%)

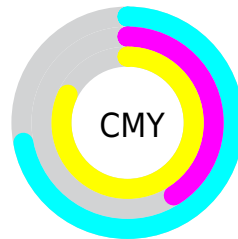


Cyan (52%)

Magenta (0%)

Yellow (69%)

Black (41%)



Cyan (72%)

Magenta (41%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3956, 0.3206, 0.5323 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 23.3956, 0.3206, 0.5323 by changing the saturation by 10% instead.


 23.3956, 0.3206,
0.5323

 23.3956, 0.3206,
0.5323


269.7504, 0.3233,
0.4127

 14.8859, 0.3154,
0.5680


 49.0421, 0.3243,
0.4843


 8.7393, 0.3045,
0.6162


 66.9477, 0.3247,
0.4676


 4.5716, 0.2919,
0.7081

 88.7540, 0.3248,
0.4541

 1.9981, 0.2212,
0.7788

 114.8454, 0.3246,
0.4429

 0.6064, 0.0000,
1.0000

 145.6064, 0.3243,
0.4335

 0.0000, 0.0000,
0.0000

 181.4213, 0.3240,

0.4255

222.6745, 0.3236,
0.4187

■ 23.3956, 0.3206,
0.5323

■ 23.3956, 0.3206,
0.5323

■ 22.8985, 0.3182,
0.5576

■ 24.0171, 0.3218,
0.5027

■ 22.5139, 0.3148,
0.5768

■ 24.7679, 0.3219,
0.4707

■ 22.2285, 0.3109,
0.5900

■ 25.6564, 0.3210,
0.4382

■ 22.1955, 0.3105,
0.5917

■ 26.6892, 0.3194,
0.4068

■ 27.8725, 0.3173,
0.3772

■ 29.2122, 0.3149,
0.3502

■ 30.7138, 0.3124,
0.3259

■ 32.3826, 0.3098,
0.3042

■ 34.2236, 0.3072,
0.2851

Harmonies

Analogous

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



23.3956, 0.4176, 0.5105



23.3956, 0.3206, 0.5323



23.3956, 0.2266, 0.4579

Triad

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



23.3956, 0.3206, 0.5323



23.3956, 0.1480, 0.1855



23.3956, 0.4845, 0.2968

Complementary

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



23.3956, 0.3206, 0.5323



8.6021, 0.2811, 0.1613

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.



23.3956, 0.3828, 0.2357



23.3956, 0.3206, 0.5323



23.3956, 0.1914, 0.1746

Square

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



23.3956, 0.3206, 0.5323



23.3956, 0.1378, 0.2334



23.3956, 0.2719, 0.1926



23.3956, 0.5253, 0.3665

Rectangle

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



23.3956, 0.3206, 0.5323



23.3956, 0.1791, 0.3723



23.3956, 0.2719, 0.1926



23.3956, 0.4553, 0.2751

Sweetspot

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



23.3966, 0.3206, 0.5323



48.5803, 0.3179, 0.3852



21.1709, 0.4307, 0.4484



10.6504, 0.3185, 0.3924



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.3966, 0.3206, 0.5323



40.0466, 0.3166, 0.5680



22.8974, 0.2876, 0.4961



6.5322, 0.3151, 0.3516



18.4202, 0.3109, 0.5913



0.2374, 0.3394, 0.5687

Inverse Universe

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



8.6021, 0.2811, 0.1613



12.0799, 0.2716, 0.1373



9.9818, 0.3639, 0.2106



5.8392, 0.3101, 0.3069



4.7899, 0.2617, 0.1215



0.0722, 0.2915, 0.1379

Previews

White Background



This preview shows how the Yxy color 23.3956, 0.3206, 0.5323 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 23.3956, 0.3206, 0.5323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

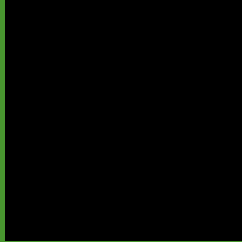
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3956, 0.3206, 0.5323

Background



This preview shows how black text looks on a background with the Yxy color 23.3956, 0.3206, 0.5323.



This preview shows how white text looks on a background with the Yxy color 23.3956, 0.3206, 0.5323.

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

23.3956, 0.3206, 0.5323

Protanopia

22.9656, 0.4230, 0.4652

Deuteranopia

23.0901, 0.4395, 0.4325



Tritanopia

23.2658, 0.2570, 0.3086

Trichromacy



Original Color

23.3956, 0.3206, 0.5323

Protanomaly

22.6402, 0.3797, 0.4932

Deuteranomaly

22.4012, 0.3914, 0.4703

Tritanomaly

23.0701, 0.2832, 0.3912

Monochromacy



Original Color

23.3956, 0.3206, 0.5323

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.8292, 0.3193, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3956, 0.3206, 0.5323 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(72, 150, 47)` looks like.

```
.text, #text, p{  
    color:rgb(72, 150, 47)  
}
```

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(72, 150, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 150, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.3956, 0.3206, 0.5323 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(72, 150, 47) }
```

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

```
.border{ border-color:rgb(72, 150, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 150, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 150, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 150, 47);  
box-shadow:4px 4px 4px 4px rgb(72, 150,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3956, 0.3206, 0.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 150, 47) }
```

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

```
.background{ background-color: rgb(72, 150,  
47) }
```

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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