

Converting Colors

$Y_{xy}(23.5990, 0.4178, 0.4713)$

Have a look what the booklet for
Yxy(23.5990, 0.4178, 0.4713)
contains.

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Color

$Y_{xy}(23.5990, 0.4178, 0.4713)$

Conversions

Conversions Part 1

Format	Color
Hex	928729
RGB	146, 135, 41
RGB Percent	57%, 53%, 16%
CMY	0.4274, 0.4706, 0.8391
CMYK	0.00, 0.08, 0.72, 0.43
HSL	54°, 56%, 37%
HSV	54°, 72%, 57%
XYZ	20.9201, 23.5990, 5.5530
YIQ	127.5730, 36.7300, -26.9020

Conversions

Conversions Part 2

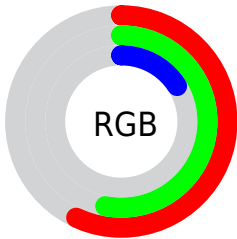
Format	Color
R_{YB}	53, 146, 41
Decimal	9602857
CIE _{Lab}	55.68, -7.10, 49.42
CIE _{LCh}	56, 49.931, 98.169
Yxy	23.5990, 0.4178, 0.4713
Android (android.graphics.Color)	4287792937 (0xFF928729)
YUV	127.5730, -42.6805, 16.1605
Hunter-Lab	48.5788, -8.1431, 27.2278

Details

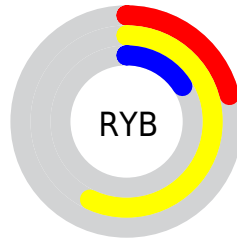
The Yxy color **23.5990, 0.4178, 0.4713** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.0077, 0.1828, 0.1248**, and the grayscale version is **21.5739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4533, 0.3996, 0.4432**, and **8.9309, 0.4304, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **23.0920, 0.4273, 0.4814**, and if you desaturate by 10%, it is **24.1522, 0.4059, 0.4573**.

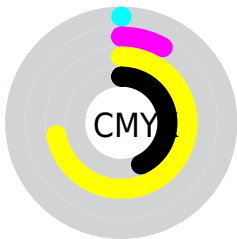
Distribution



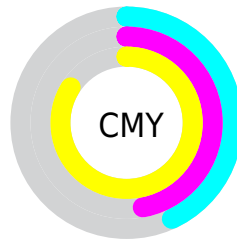
- Red (57%)
- Green (53%)
- Blue (16%)



- Red (21%)
- Yellow (57%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (72%)
- Black (43%)




- Cyan (43%)
- Magenta (47%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5990, 0.4178, 0.4713 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 23.5990, 0.4178, 0.4713 by changing the saturation by 10% instead.


 23.5990, 0.4178,
0.4713


 23.5990, 0.4178,
0.4713


270.7868, 0.3646,
0.3956


 15.0364, 0.4289,
0.4894


 49.3750, 0.3994,
0.4437

 8.8450, 0.4405,
0.5107


 67.3573, 0.3921,
0.4332

 4.6402, 0.4572,
0.5428

 89.2482, 0.3858,
0.4244

 2.0377, 0.4475,
0.5525

 115.4322, 0.3804,
0.4169

 0.6293, 0.4031,
0.5969

 146.2937, 0.3756,
0.4104

 0.0000, 0.0000,
0.0000

 182.2170, 0.3715,

0.4048

223.5866, 0.3678,
0.3999

■ 23.5990, 0.4178,
0.4713

■ 23.5990, 0.4178,
0.4713

■ 23.0920, 0.4273,
0.4814

■ 24.1522, 0.4059,
0.4573

■ 22.6234, 0.4343,
0.4872

■ 24.7521, 0.3922,
0.4399

■ 22.2629, 0.4386,
0.4899

■ 25.4030, 0.3772,
0.4201

■ 26.1080, 0.3615,
0.3987

■ 26.8699, 0.3457,
0.3766

■ 27.6911, 0.3302,
0.3545

■ 28.5740, 0.3154,
0.3330

■ 29.5209, 0.3015,
0.3125

■ 30.5339, 0.2886,
0.2932

Harmonies

Analogous

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



23.5990, 0.4722, 0.4170



23.5990, 0.4178, 0.4713



23.5990, 0.3399, 0.4904

Triad

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



23.5990, 0.4178, 0.4713



23.5990, 0.1683, 0.2662



23.5990, 0.3524, 0.2438

Complementary

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



23.5990, 0.4178, 0.4713



5.0077, 0.1828, 0.1248

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.



23.5990, 0.2659, 0.2103



23.5990, 0.4178, 0.4713



23.5990, 0.1708, 0.2165

Square

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



23.5990, 0.4178, 0.4713



23.5990, 0.1976, 0.3508



23.5990, 0.2033, 0.1998



23.5990, 0.4369, 0.2945

Rectangle

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



23.5990, 0.4178, 0.4713



23.5990, 0.2851, 0.4671



23.5990, 0.2033, 0.1998



23.5990, 0.3220, 0.2303

Sweetspot

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



23.6001, 0.4178, 0.4713



47.3177, 0.3466, 0.3778



7.9598, 0.5216, 0.3122



10.4538, 0.3503, 0.3830



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.



23.6001, 0.4178, 0.4713



40.2396, 0.4317, 0.4853



23.7714, 0.3594, 0.5147



6.6418, 0.3262, 0.3486



19.6074, 0.4385, 0.4900



0.2640, 0.4280, 0.4983

Inverse Universe

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



5.0077, 0.1828, 0.1248



5.6462, 0.1620, 0.0874



5.4253, 0.2208, 0.1274



5.7251, 0.2989, 0.3086



2.1524, 0.1526, 0.0695



0.0456, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 23.5990, 0.4178, 0.4713 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 23.5990, 0.4178, 0.4713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

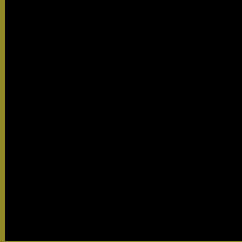
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5990, 0.4178, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 23.5990, 0.4178, 0.4713.



This preview shows how white text looks on a background with the Yxy color 23.5990, 0.4178, 0.4713.

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

23.5990, 0.4178, 0.4713

Protanopia

23.6943, 0.4238, 0.4670

Deuteranopia

23.5761, 0.4505, 0.4429



Tritanopia

23.5693, 0.3350, 0.3130

Trichromacy



Original Color

23.5990, 0.4178, 0.4713

Protanomaly

23.5999, 0.4226, 0.4678

Deuteranomaly

23.5106, 0.4381, 0.4534

Tritanomaly

23.2194, 0.3718, 0.3759

Monochromacy



Original Color

23.5990, 0.4178, 0.4713

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2280, 0.3564, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5990, 0.4178, 0.4713 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(146, 135, 41)` looks like.

```
.text, #text, p{  
    color:rgb(146, 135, 41)  
}
```

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(146, 135, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 135, 41) }
```

Border

The CSS property to change the border of an element to Yxy 23.5990, 0.4178, 0.4713 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(146, 135, 41) }
```

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

```
.border{ border-color:rgb(146, 135, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 135, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 135, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 135, 41);  
box-shadow:4px 4px 4px 4px rgb(146, 135,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5990, 0.4178, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 135, 41) }
```

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

```
.background{ background-color: rgb(146,  
135, 41) }
```

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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