

Converting Colors

$Y_{xy}(11.2919, 0.2457, 0.1393)$

Have a look what the booklet for
Yxy(11.2919, 0.2457, 0.1393)
contains.

Yxy(11.2919, 0.2457, 0.1393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.2919, 0.2457, 0.1393)

Conversions

Conversions Part 1

Format	Color
Hex	8238BE
RGB	130, 56, 190
RGB Percent	51%, 22%, 75%
CMY	0.4901, 0.7804, 0.2548
CMYK	0.32, 0.71, 0.00, 0.25
HSL	273°, 54%, 48%
HSV	273°, 71%, 75%
XYZ	19.9169, 11.2919, 49.8530
YIQ	93.4020, 1.0900, 57.3620

Conversions

Conversions Part 2

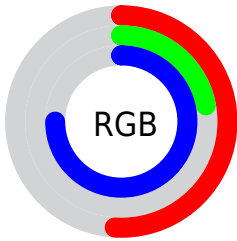
Format	Color
R _{YB}	130, 56, 190
Decimal	8534206
CIE Lab	40.07, 55.31, -57.48
CIE LCh	40, 79.770, 313.898
Yxy	11.2919, 0.2457, 0.1393
Android (android.graphics.Color)	4286724286 (0xFF8238BE)
YUV	93.4020, 47.6228, 32.0964
Hunter-Lab	33.6034, 46.9916, -64.4384

Details

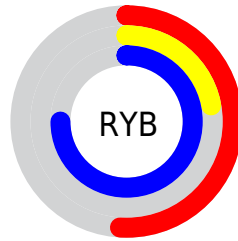
The Yxy color **11.2919, 0.2457, 0.1393** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **40.8306, 0.3402, 0.5276**, and the grayscale version is **10.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2175, 0.2636, 0.1740**, and **3.2334, 0.2135, 0.0950** is the 20% darker color. If you saturate the color by 10%, you get **9.1423, 0.2339, 0.1194**, and if you desaturate by 10%, it is **14.1966, 0.2576, 0.1634**.

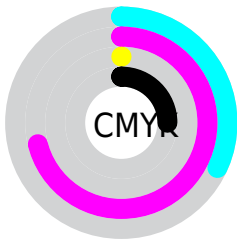
Distribution



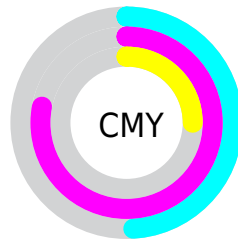
- Red (51%)
- Green (22%)
- Blue (75%)



- Red (51%)
- Yellow (22%)
- Blue (75%)



- Cyan (32%)
- Magenta (71%)
- Yellow (0%)
- Black (25%)





- Cyan (49%)
- Magenta (78%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2919, 0.2457, 0.1393 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 11.2919, 0.2457, 0.1393 by changing the saturation by 10% instead.


 11.2919, 0.2457,
0.1393


 11.2919, 0.2457,
0.1393


199.6594, 0.2885,
0.2358


 6.2635, 0.2320,
0.1168

 28.1987, 0.2636,
0.1737


 3.0060, 0.2129,
0.0899


 40.8459, 0.2696,
0.1869


 1.1349, 0.1853,
0.0587

 56.8015, 0.2744,
0.1982

 0.0075, 0.1486,
0.0008

 76.4499, 0.2783,
0.2079

 0.0000, 0.0667,
0.0000

 100.1755, 0.2815,
0.2163

 0.0000, 0.0000,
0.0000

 128.3627, 0.2842,

0.2236

161.3958, 0.2865,
0.2301

■ 11.2919, 0.2457,
0.1393

■ 11.2919, 0.2457,
0.1393

■ 9.1423, 0.2339,
0.1194

■ 14.1966, 0.2576,
0.1634

■ 7.6612, 0.2226,
0.1045

■ 17.9274, 0.2692,
0.1905

■ 6.7186, 0.2127,
0.0946

■ 22.5480, 0.2800,
0.2191

■ 28.1155, 0.2898,
0.2479

■ 34.6820, 0.2985,
0.2761

■ 42.2960, 0.3060,
0.3028

■ 51.0024, 0.3124,
0.3277

■ 60.8437, 0.3178,
0.3506

■ 71.8599, 0.3223,
0.3713

Harmonies

Analogous

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



11.2919, 0.1397, 0.1169



11.2919, 0.2457, 0.1393



11.2919, 0.4183, 0.1926

Triad

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



11.2919, 0.2457, 0.1393



11.2919, 0.5528, 0.4472



11.2919, 0.0941, 0.3153

Complementary

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



11.2919, 0.2457, 0.1393



40.8306, 0.3402, 0.5276

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.



11.2919, 0.1680, 0.5550



11.2919, 0.2457, 0.1393



11.2919, 0.4259, 0.5741

Square

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



11.2919, 0.2457, 0.1393



11.2919, 0.6242, 0.3463



11.2919, 0.2891, 0.6633



11.2919, 0.0745, 0.1769

Rectangle

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



11.2919, 0.2457, 0.1393



11.2919, 0.5382, 0.2411



11.2919, 0.2891, 0.6633



11.2919, 0.1116, 0.3892

Sweetspot

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



11.2923, 0.2457, 0.1393



61.8124, 0.2978, 0.2739



17.1185, 0.2014, 0.2003



12.8111, 0.2955, 0.2661



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



11.2923, 0.2457, 0.1393



14.8611, 0.2272, 0.1100



17.2080, 0.3285, 0.1810



9.4781, 0.3068, 0.3059



4.5139, 0.2140, 0.0953



0.2151, 0.2391, 0.1091

Inverse Universe

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



15.0367, 0.4381, 0.2553



22.8122, 0.4820, 0.2542



38.0289, 0.2997, 0.5444



9.6055, 0.3220, 0.3188



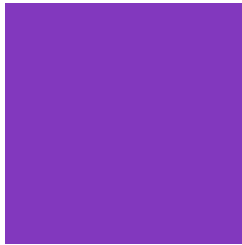
7.7313, 0.5153, 0.2612



0.3160, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 11.2919, 0.2457, 0.1393 looks on a white background.

Color Contrast Check

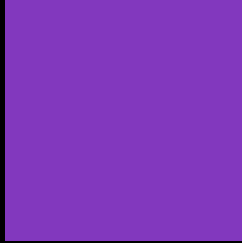
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.2919, 0.2457, 0.1393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

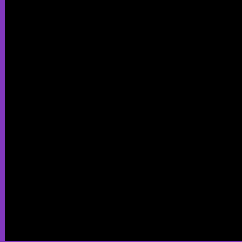
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2919, 0.2457, 0.1393

Background



This preview shows how black text looks on a background with the Yxy color 11.2919, 0.2457, 0.1393.



This preview shows how white text looks on a background with the Yxy color 11.2919, 0.2457, 0.1393.

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

11.2919, 0.2457, 0.1393

Protanopia

11.3772, 0.1742, 0.1470

Deuteranopia

11.4140, 0.1845, 0.1841



Tritanopia

11.3164, 0.3431, 0.3140

Trichromacy



Original Color

11.2919, 0.2457, 0.1393



Protanomaly

9.9034, 0.1801, 0.1319



Deuteranomaly

9.8132, 0.1872, 0.1515



Tritanomaly

10.7025, 0.3003, 0.2260

Monochromacy



Original Color

11.2919, 0.2457, 0.1393



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.3600, 0.2835, 0.2311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2919, 0.2457, 0.1393 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(130, 56, 190)` looks like.

```
.text, #text, p{  
    color:rgb(130, 56, 190)  
}
```

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(130, 56, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 56, 190) }
```

Border

The CSS property to change the border of an element to Yxy 11.2919, 0.2457, 0.1393 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(130, 56, 190) }
```

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

```
.border{ border-color:rgb(130, 56, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 56, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 56, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 56, 190);  
box-shadow:4px 4px 4px 4px rgb(130, 56,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2919, 0.2457, 0.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 56, 190) }
```

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

```
.background{ background-color: rgb(130, 56,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor