

Converting Colors

$Y_{xy}(20.6915, 0.2460, 0.1436)$

Have a look what the booklet for
Yxy(20.6915, 0.2460, 0.1436)
contains.

Yxy(20.5938, 0.2461, 0.1434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.5938, 0.2461, 0.1434)

Conversions

Conversions Part 1

Format	Color
Hex	A850F4
RGB	168, 80, 244
RGB Percent	66%, 31%, 96%
CMY	0.3412, 0.6862, 0.0433
CMYK	0.31, 0.67, 0.00, 0.04
HSL	272°, 88%, 64%
HSV	272°, 67%, 96%
XYZ	35.3426, 20.5938, 87.6744
YIQ	125.0080, -0.1960, 69.6600

Conversions

Conversions Part 2

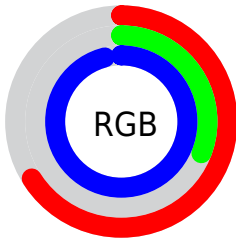
Format	Color
R _Y B	168, 80, 244
Decimal	11030772
CIE Lab	52.50, 64.28, -67.96
CIE LCh	53, 93.544, 313.407
Yxy	20.5938, 0.2461, 0.1434
Android (android.graphics.Color)	4289220852 (0xFFA850F4)
YUV	125.0080, 58.6631, 37.7040
Hunter-Lab	45.3804, 59.6016, -82.7814

Details

The Yxy color **20.5938, 0.2461, 0.1434** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **72.3272, 0.3420, 0.5208**, and the grayscale version is **20.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8788, 0.2939, 0.2057**, and **7.3686, 0.2214, 0.1044** is the 20% darker color. If you saturate the color by 10%, you get **16.4593, 0.2337, 0.1218**, and if you desaturate by 10%, it is **26.1338, 0.2586, 0.1690**.

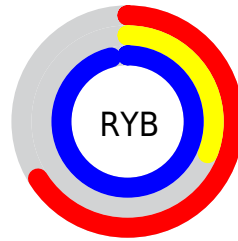
Distribution



Red (66%)

Green (31%)

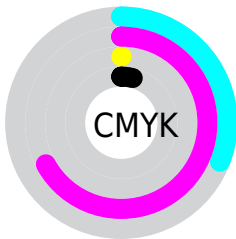
Blue (96%)



Red (66%)

Yellow (31%)

Blue (96%)

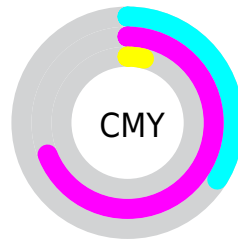


Cyan (31%)

Magenta (67%)

Yellow (0%)

Black (4%)



Cyan (34%)


Magenta (69%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5938, 0.2461, 0.1434 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 20.5938, 0.2461, 0.1434 by changing the saturation by 10% instead.


 20.5938, 0.2461,
0.1434


 20.5938, 0.2461,
0.1434

255.1118, 0.2852,
0.2291


 12.8274, 0.2353,
0.1253


 44.4105, 0.2613,
0.1723


 7.3098, 0.2211,
0.1041


 61.2296, 0.2667,
0.1838


 3.6566, 0.2020,
0.0796


 81.8351, 0.2712,
0.1939

 1.4834, 0.1759,
0.0524

 106.6114, 0.2749,
0.2027

 0.2770, 0.1411,
0.0172

 135.9428, 0.2781,
0.2105

 0.0000, 0.0923,
0.0000

170.2137, 0.2808,

 0.0000, 0.0000,

0.2174

0.0000

209.8086, 0.2832,
0.2236

■ 20.5938, 0.2461,
0.1434

■ 20.5938, 0.2461,
0.1434

■ 16.4593, 0.2337,
0.1218

■ 26.1338, 0.2586,
0.1690

■ 13.5773, 0.2218,
0.1054

■ 33.2058, 0.2706,
0.1973


■ 11.7540, 0.2109,
0.0944


■ 41.9240, 0.2817,
0.2267

■ 11.3497, 0.2080,
0.0920

■ 52.3910, 0.2917,
0.2561

■ 64.7009, 0.3004,
0.2844

 78.9406, 0.3080,
0.3111

 95.1918, 0.3144,
0.3357

 99.3097, 0.3191,
0.3396

Harmonies

Analogous

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



20.5938, 0.1431, 0.1217



20.5938, 0.2461, 0.1434



20.5938, 0.4118, 0.1956

Triad

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



20.5938, 0.2461, 0.1434



20.5938, 0.5513, 0.4473



20.5938, 0.1009, 0.3205

Complementary

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



20.5938, 0.2461, 0.1434



72.3272, 0.3420, 0.5208

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.



20.5938, 0.1758, 0.5478



20.5938, 0.2461, 0.1434



20.5938, 0.4305, 0.5695

Square

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



20.5938, 0.2461, 0.1434



20.5938, 0.6160, 0.3481



20.5938, 0.2958, 0.6500



20.5938, 0.0797, 0.1837

Rectangle

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



20.5938, 0.2461, 0.1434



20.5938, 0.5274, 0.2433



20.5938, 0.2958, 0.6500



20.5938, 0.1190, 0.3916

Sweetspot

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



20.5945, 0.2461, 0.1434



67.4564, 0.2981, 0.2765



32.1896, 0.2054, 0.2091



13.6084, 0.2956, 0.2685



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



20.5945, 0.2461, 0.1434



16.7727, 0.2288, 0.1146



31.1694, 0.3252, 0.1821



16.3647, 0.3064, 0.3051



6.2554, 0.2096, 0.0928



0.6109, 0.2227, 0.1000

Inverse Universe

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



27.3663, 0.4282, 0.2538



25.4290, 0.4659, 0.2502



67.0518, 0.3008, 0.5406



16.6103, 0.3221, 0.3181



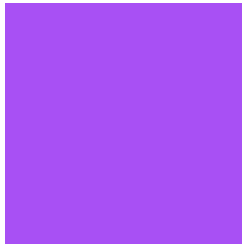
11.1338, 0.5116, 0.2592



0.9991, 0.4815, 0.2426

Previews

White Background



This preview shows how the Yxy color 20.5938, 0.2461, 0.1434 looks on a white background.

Color Contrast Check

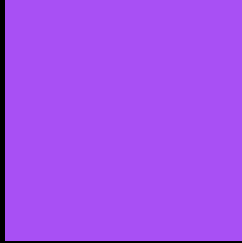
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5938, 0.2461, 0.1434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

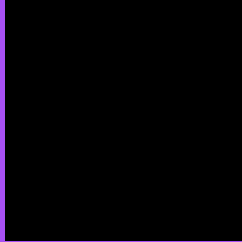
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5938, 0.2461, 0.1434

Background



This preview shows how black text looks on a background with the Yxy color 20.5938, 0.2461, 0.1434.



This preview shows how white text looks on a background with the Yxy color 20.5938, 0.2461, 0.1434.

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

20.5938, 0.2461, 0.1434

Protanopia

21.0049, 0.1750, 0.1464

Deuteranopia

20.8746, 0.1832, 0.1795



Tritanopia

20.3399, 0.3391, 0.3138

Trichromacy



Original Color

20.5938, 0.2461, 0.1434



Protanomaly

18.6127, 0.1833, 0.1356



Deuteranomaly

18.1872, 0.1863, 0.1528



Tritanomaly

19.6352, 0.2991, 0.2308

Monochromacy



Original Color

20.5938, 0.2461, 0.1434



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4272, 0.2851, 0.2355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5938, 0.2461, 0.1434 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(168, 80, 244)` looks like.

```
.text, #text, p{  
    color:rgb(168, 80, 244)  
}
```

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(168, 80, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 80, 244) }
```

Border

The CSS property to change the border of an element to Yxy 20.5938, 0.2461, 0.1434 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(168, 80, 244) }
```

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

```
.border{ border-color:rgb(168, 80, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 80, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 80, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 80, 244);  
box-shadow:4px 4px 4px 4px rgb(168, 80,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5938, 0.2461, 0.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 80, 244) }
```

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

```
.background{ background-color: rgb(168, 80,  
244) }
```

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