

Converting Colors

$Y_{xy}(40.2429, 0.2546, 0.2219)$

Have a look what the booklet for
Yxy(40.2429, 0.2546, 0.2219)
contains.

Yxy(40.1819, 0.2543, 0.2217)	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(40.1819, 0.2543, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	AA9FF9
RGB	170, 159, 249
RGB Percent	67%, 62%, 98%
CMY	0.3330, 0.3766, 0.0234
CMYK	0.32, 0.36, 0.00, 0.02
HSL	247°, 88%, 80%
HSV	247°, 36%, 98%
XYZ	46.0905, 40.1819, 94.9721
YIQ	172.5490, -22.3340, 30.3220

Conversions

Conversions Part 2

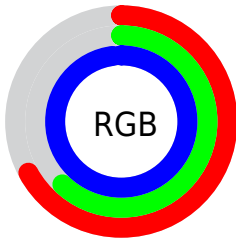
Format	Color
R _Y B	170, 159, 249
Decimal	11182073
CIE Lab	69.60, 23.86, -43.51
CIE LCh	70, 49.620, 298.741
Yxy	40.1819, 0.2543, 0.2217
Android (android.graphics.Color)	4289372153 (0xFFAA9FF9)
YUV	172.5490, 37.6903, -2.2355
Hunter-Lab	63.3892, 18.8568, -44.4581

Details

The Yxy color **40.1819, 0.2543, 0.2217** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.4351, 0.3594, 0.4217**, and the grayscale version is **41.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6440, 0.2951, 0.2866**, and **18.1757, 0.2377, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **30.2302, 0.2345, 0.1871**, and if you desaturate by 10%, it is **52.2658, 0.2729, 0.2550**.

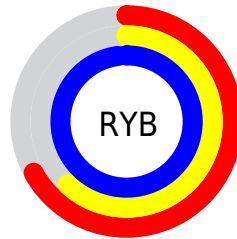
Distribution



Red (67%)

Green (62%)

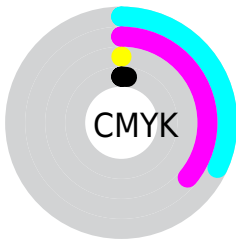
Blue (98%)



Red (67%)

Yellow (62%)

Blue (98%)

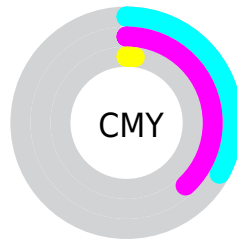


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (33%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1819, 0.2543, 0.2217 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 40.1819, 0.2543, 0.2217 by changing the saturation by 10% instead.


 40.1819, 0.2543,
0.2217


 40.1819, 0.2543,
0.2217


346.8897, 0.2841,
0.2723

 27.6804, 0.2469,
0.2101


 75.4404, 0.2651,
0.2393

 18.0849, 0.2375,
0.1960

 98.9662, 0.2692,
0.2462

 11.0109, 0.2252,
0.1783

126.9356, 0.2727,
0.2520

 6.0742, 0.2087,
0.1557

159.7329, 0.2756,
0.2572

 2.8903, 0.1856,
0.1266

197.7426, 0.2782,
0.2617

 1.0747, 0.1522,
0.0890

241.3490, 0.2804,

 0.0000, 0.1021,

0.2656

0.0000

290.9366, 0.2823,
0.2692

0.0000, 0.0000,
0.0000

40.1819, 0.2543,
0.2217

40.1819, 0.2543,
0.2217

30.2302, 0.2345,
0.1871

52.2658, 0.2729,
0.2550

22.2818, 0.2143,
0.1528

66.5914, 0.2897,
0.2858

16.2014, 0.1950,
0.1212

83.2661, 0.3045,
0.3135

11.8345, 0.1781,
0.0948

99.6214, 0.3162,
0.3347

9.0015, 0.1648,
0.0757

■ 7.4819, 0.1560,
0.0647

■ 7.1283, 0.1537,
0.0620

Harmonies

Analogous

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



40.1819, 0.2075, 0.2203



40.1819, 0.2543, 0.2217



40.1819, 0.3228, 0.2450

Triad

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



40.1819, 0.2543, 0.2217



40.1819, 0.4550, 0.3910



40.1819, 0.2299, 0.3730

Complementary

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



40.1819, 0.2543, 0.2217



88.4351, 0.3594, 0.4217

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.



40.1819, 0.2901, 0.4402



40.1819, 0.2543, 0.2217



40.1819, 0.4210, 0.4391

Square

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



40.1819, 0.2543, 0.2217



40.1819, 0.4472, 0.3368



40.1819, 0.3601, 0.4630



40.1819, 0.1942, 0.2977

Rectangle

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



40.1819, 0.2543, 0.2217



40.1819, 0.3729, 0.2706



40.1819, 0.3601, 0.4630



40.1819, 0.2477, 0.3984

Sweetspot

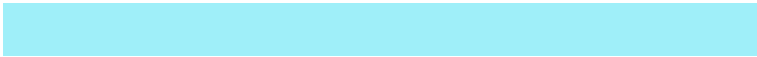
The Sweet Spot groups the original color and five complimentary colors.



40.1834, 0.2543, 0.2217



79.0217, 0.2976, 0.3004



75.6633, 0.2602, 0.3169



16.4066, 0.2955, 0.2966



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.



40.1834, 0.2543, 0.2217



34.9360, 0.2407, 0.1979



46.0010, 0.2885, 0.2313



16.7455, 0.2998, 0.3046



3.8465, 0.1545, 0.0625



0.3878, 0.1625, 0.0669

Inverse Universe

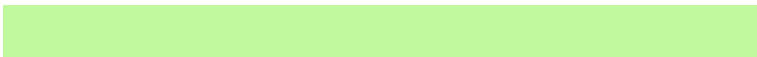
The Inverse Universe completely reimagines the original color for something new.



51.1005, 0.3260, 0.2491



47.9973, 0.3292, 0.2345



81.6741, 0.3291, 0.4317



17.4855, 0.3157, 0.3085



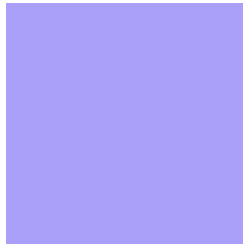
13.5126, 0.3548, 0.1728



1.2615, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 40.1819, 0.2543, 0.2217 looks on a white background.

Color Contrast Check

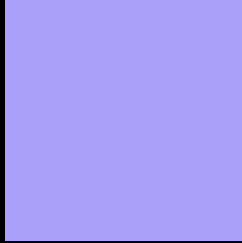
Large Text (above 18pt) WCAG AA × Fail

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 40.1819, 0.2543, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

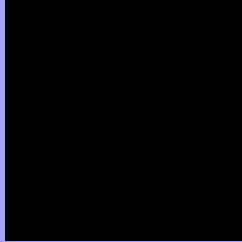
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1819, 0.2543, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 40.1819, 0.2543, 0.2217.



This preview shows how white text looks on a background with the Yxy color 40.1819, 0.2543, 0.2217.

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

40.1819, 0.2543, 0.2217

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.4946, 0.2361, 0.2306



Tritanopia

40.2183, 0.2887, 0.3094

Trichromacy



Original Color

40.1819, 0.2543, 0.2217

Protanomaly

40.2221, 0.2400, 0.2205

Deuteranomaly

40.1716, 0.2422, 0.2264

Tritanomaly

39.9223, 0.2754, 0.2733

Monochromacy



Original Color

40.1819, 0.2543, 0.2217

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.9930, 0.2895, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1819, 0.2543, 0.2217 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(170, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 249)  
}
```

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(170, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 249) }
```

Border

The CSS property to change the border of an element to Yxy 40.1819, 0.2543, 0.2217 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(170, 159, 249) }
```

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

```
.border{ border-color:rgb(170, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1819, 0.2543, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 249) }
```

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

```
.background{ background-color: rgb(170,  
159, 249) }
```

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