

Converting Colors

$Y_{xy}(44.5200, 0.2206, 0.1736)$

Have a look what the booklet for
Yxy(44.5200, 0.2206, 0.1736)
contains.

Yxy(40.3609, 0.2474, 0.2165)	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(40.3609, 0.2474, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	A5A0FF
RGB	165, 160, 255
RGB Percent	65%, 63%, 100%
CMY	0.3532, 0.3724, 0.0001
CMYK	0.35, 0.37, 0.00, 0.00
HSL	243°, 100%, 81%
HSV	243°, 37%, 100%
XYZ	46.1214, 40.3609, 99.9422
YIQ	172.3250, -27.5150, 30.6050

Conversions

Conversions Part 2

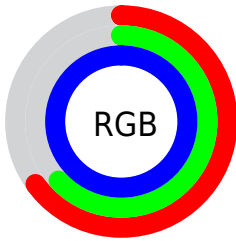
Format	Color
R _Y B	165, 160, 255
Decimal	10854655
CIE Lab	69.73, 23.40, -46.57
CIE LCh	70, 52.115, 296.681
Yxy	40.3609, 0.2474, 0.2165
Android (android.graphics.Color)	4289044735 (0xFFA5A0FF)
YUV	172.3250, 40.7588, -6.4240
Hunter-Lab	63.5302, 18.4088, -48.8005

Details

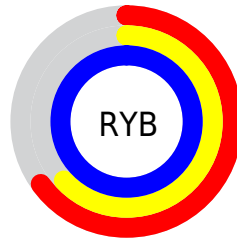
The Yxy color $40.3609, 0.2474, 0.2165$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $94.3800, 0.3655, 0.4230$, and the grayscale version is $41.2241, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.3505, 0.2918, 0.2873$, and $18.2657, 0.2288, 0.1902$ is the 20% darker color. If you saturate the color by 10%, you get $30.0568, 0.2264, 0.1810$, and if you desaturate by 10%, it is $52.9710, 0.2675, 0.2507$.

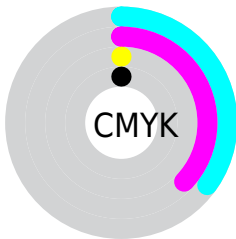
Distribution



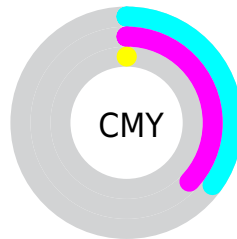
- Red (65%)
- Green (63%)
- Blue (100%)



- Red (65%)
- Yellow (63%)
- Blue (100%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3609, 0.2474, 0.2165 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 40.3609, 0.2474, 0.2165 by changing the saturation by 10% instead.


 40.3609, 0.2474,
0.2165


 40.3609, 0.2474,
0.2165

347.6424, 0.2804,
0.2693

 27.8200, 0.2393,
0.2046


 75.7128, 0.2593,
0.2348

 18.1901, 0.2291,
0.1900


 99.2926, 0.2638,
0.2419

 11.0865, 0.2159,
0.1718


127.3208, 0.2677,
0.2481

 6.1251, 0.1982,
0.1490

160.1819, 0.2710,
0.2534

 2.9213, 0.1740,
0.1198

198.2602, 0.2738,
0.2581

 1.0908, 0.1399,
0.0829


241.9401, 0.2763,

 0.0000, 0.0906,


0.2623


0.0000


291.6060, 0.2785,
0.2660

 0.0000, 0.0000,
0.0000


 40.3609, 0.2474,
0.2165

 40.3609, 0.2474,
0.2165


 30.0568, 0.2264,
0.1810


 52.9710, 0.2675,
0.2507

 21.9149, 0.2054,
0.1462


 68.0101, 0.2858,
0.2822

 15.7824, 0.1861,
0.1146

 85.5981, 0.3022,
0.3106

 11.4844, 0.1701,
0.0890

99.9981, 0.3127,
0.3290

 8.8164, 0.1586,
0.0713

■ 7.5180, 0.1521,
0.0621

■ 7.3047, 0.1511,
0.0606

Harmonies

Analogous

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



40.3609, 0.2008, 0.2165



40.3609, 0.2474, 0.2165



40.3609, 0.3177, 0.2393

Triad

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



40.3609, 0.2474, 0.2165



40.3609, 0.4624, 0.3889



40.3609, 0.2295, 0.3808

Complementary

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



40.3609, 0.2474, 0.2165



94.3800, 0.3655, 0.4230

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.



40.3609, 0.2935, 0.4498



40.3609, 0.2474, 0.2165



40.3609, 0.4290, 0.4405

Square

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



40.3609, 0.2474, 0.2165



40.3609, 0.4514, 0.3326



40.3609, 0.3665, 0.4693



40.3609, 0.1907, 0.3006

Rectangle

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



40.3609, 0.2474, 0.2165



40.3609, 0.3704, 0.2650



40.3609, 0.3665, 0.4693



40.3609, 0.2486, 0.4074

Sweetspot

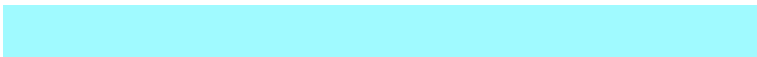
The Sweet Spot groups the original color and five complimentary colors.



40.3624, 0.2474, 0.2165



78.6894, 0.2963, 0.3003



83.2058, 0.2598, 0.3236



16.3281, 0.2941, 0.2965



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.



40.3624, 0.2474, 0.2165



32.1749, 0.2311, 0.1890



46.4055, 0.2825, 0.2267



17.4224, 0.2986, 0.3045



3.8362, 0.1515, 0.0608



0.3885, 0.1551, 0.0628

Inverse Universe

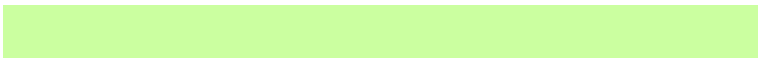
The Inverse Universe completely reimagines the original color for something new.



53.3151, 0.3210, 0.2408



46.9345, 0.3229, 0.2236



86.7030, 0.3335, 0.4338



18.2833, 0.3146, 0.3068



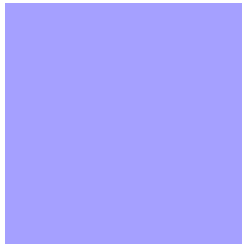
14.4615, 0.3343, 0.1615



1.4128, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 40.3609, 0.2474, 0.2165 looks on a white background.

Color Contrast Check

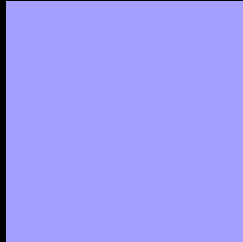
Large Text (above 18pt) WCAG AA × Fail

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 40.3609, 0.2474, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

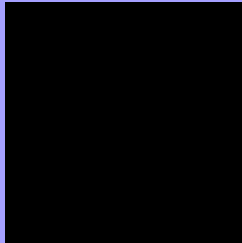
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3609, 0.2474, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 40.3609, 0.2474, 0.2165.



This preview shows how white text looks on a background with the Yxy color 40.3609, 0.2474, 0.2165.

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

40.3609, 0.2474, 0.2165

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.4543, 0.2303, 0.2240



Tritanopia

40.3870, 0.2817, 0.3092

Trichromacy



Original Color

40.3609, 0.2474, 0.2165

Protanomaly

40.1605, 0.2377, 0.2183

Deuteranomaly

40.4479, 0.2361, 0.2211

Tritanomaly

40.0980, 0.2682, 0.2716

Monochromacy



Original Color

40.3609, 0.2474, 0.2165

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7045, 0.2863, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3609, 0.2474, 0.2165 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(165, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 160, 255)  
}
```

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(165, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3609, 0.2474, 0.2165 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(165, 160, 255) }
```

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

```
.border{ border-color:rgb(165, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 160, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 160, 255); box-shadow:4px 4px 4px 4px rgb(165, 160, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3609, 0.2474, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 160, 255) }
```

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

```
.background{ background-color: rgb(165,  
160, 255) }
```

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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