

Converting Colors

$Y_{xy}(40.3440, 0.2553, 0.2143)$

Have a look what the booklet for
Yxy(40.3440, 0.2553, 0.2143)
contains.

Yxy(40.3440, 0.2553, 0.2143)	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(40.3440, 0.2553, 0.2143)

Conversions

Conversions Part 1

Format	Color
Hex	B19CFF
RGB	177, 156, 255
RGB Percent	69%, 61%, 100%
CMY	0.3060, 0.3882, 0.0000
CMYK	0.31, 0.39, 0.00, 0.00
HSL	253°, 100%, 81%
HSV	253°, 39%, 100%
XYZ	48.0626, 40.3440, 99.8528
YIQ	173.5650, -19.2630, 35.2410

Conversions

Conversions Part 2

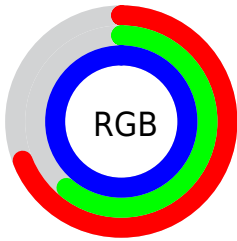
Format	Color
R_{YB}	177, 156, 255
Decimal	11640063
CIE _{Lab}	69.71, 28.89, -46.53
CIE _{LCh}	70, 54.767, 301.836
Yxy	40.3440, 0.2553, 0.2143
Android (android.graphics.Color)	4289830143 (0xFFB19CFF)
YUV	173.5650, 40.1475, 3.0125
Hunter-Lab	63.5169, 23.9146, -48.7460

Details

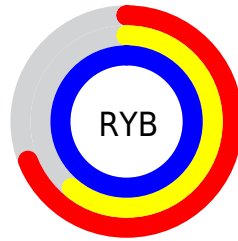
The Yxy color **40.3440, 0.2553, 0.2143** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.4137, 0.3567, 0.4307**, and the grayscale version is **41.8903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4707, 0.3006, 0.2842**, and **18.3179, 0.2391, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **30.4776, 0.2368, 0.1805**, and if you desaturate by 10%, it is **52.3572, 0.2726, 0.2473**.

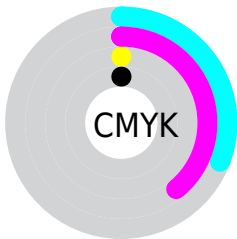
Distribution



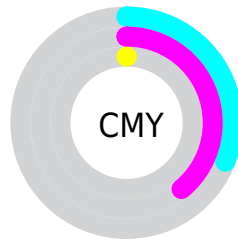
- Red (69%)
- Green (61%)
- Blue (100%)



- Red (69%)
- Yellow (61%)
- Blue (100%)



- Cyan (31%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3440, 0.2553, 0.2143 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 40.3440, 0.2553, 0.2143 by changing the saturation by 10% instead.


 40.3440, 0.2553,
0.2143


 40.3440, 0.2553,
0.2143


347.5714, 0.2847,
0.2677

 27.8069, 0.2480,
0.2023


 75.6871, 0.2660,
0.2327

 18.1801, 0.2387,
0.1877


 99.2618, 0.2700,
0.2400

 11.0794, 0.2266,
0.1696


127.2845, 0.2734,
0.2462

 6.1203, 0.2103,
0.1468

160.1395, 0.2764,
0.2516

 2.9183, 0.1877,
0.1179

198.2113, 0.2789,
0.2564

 1.0892, 0.1551,
0.0814

241.8843, 0.2811,

 0.0000, 0.1106,

0.2606

0.0000

291.5429, 0.2830,
0.2644

0.0000, 0.0000,
0.0000

40.3440, 0.2553,
0.2143

40.3440, 0.2553,
0.2143

30.4776, 0.2368,
0.1805

52.3572, 0.2726,
0.2473

22.6251, 0.2179,
0.1477

66.6304, 0.2882,
0.2782

16.6454, 0.1996,
0.1179

83.2741, 0.3021,
0.3065

12.3772, 0.1833,
0.0935

99.9994, 0.3127,
0.3290

9.6304, 0.1700,
0.0762

■ 8.1362, 0.1604,
0.0661

■ 8.0030, 0.1595,
0.0652

Harmonies

Analogous

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



40.3440, 0.2023, 0.2098



40.3440, 0.2553, 0.2143



40.3440, 0.3319, 0.2416

Triad

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



40.3440, 0.2553, 0.2143



40.3440, 0.4663, 0.4005



40.3440, 0.2163, 0.3682

Complementary

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



40.3440, 0.2553, 0.2143



91.4137, 0.3567, 0.4307

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.



40.3440, 0.2793, 0.4472



40.3440, 0.2553, 0.2143



40.3440, 0.4242, 0.4527

Square

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



40.3440, 0.2553, 0.2143



40.3440, 0.4640, 0.3420



40.3440, 0.3554, 0.4774



40.3440, 0.1816, 0.2861

Rectangle

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



40.3440, 0.2553, 0.2143



40.3440, 0.3870, 0.2700



40.3440, 0.3554, 0.4774



40.3440, 0.2347, 0.3974

Sweetspot

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



40.3455, 0.2553, 0.2143



77.7151, 0.2979, 0.2978



73.8178, 0.2554, 0.3064



16.1611, 0.2961, 0.2942



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.



40.3455, 0.2553, 0.2143



32.1172, 0.2402, 0.1866



47.0577, 0.2928, 0.2256



17.5630, 0.3012, 0.3046



4.2335, 0.1607, 0.0659



0.4567, 0.1708, 0.0714

Inverse Universe

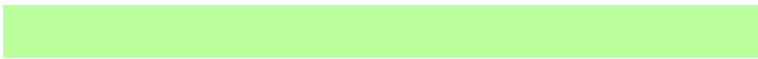
The Inverse Universe completely reimagines the original color for something new.



50.9837, 0.3347, 0.2510



44.3222, 0.3408, 0.2355



84.3174, 0.3247, 0.4421



18.2306, 0.3171, 0.3105



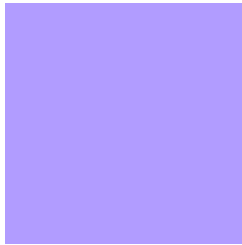
13.3355, 0.3831, 0.1884



1.3141, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 40.3440, 0.2553, 0.2143 looks on a white background.

Color Contrast Check

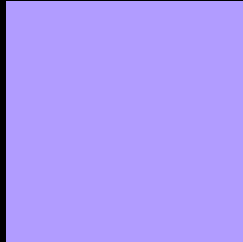
Large Text (above 18pt) WCAG AA × Fail

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 40.3440, 0.2553, 0.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

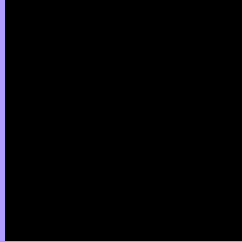
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3440, 0.2553, 0.2143

Background



This preview shows how black text looks on a background with the Yxy color 40.3440, 0.2553, 0.2143.



This preview shows how white text looks on a background with the Yxy color 40.3440, 0.2553, 0.2143.

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

40.3440, 0.2553, 0.2143

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.4725, 0.2313, 0.2251



Tritanopia

40.3730, 0.2952, 0.3110

Trichromacy



Original Color

40.3440, 0.2553, 0.2143

Protanomaly

40.1867, 0.2400, 0.2178

Deuteranomaly

40.1268, 0.2394, 0.2204

Tritanomaly

40.2504, 0.2794, 0.2715

Monochromacy



Original Color

40.3440, 0.2553, 0.2143

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.0632, 0.2905, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3440, 0.2553, 0.2143 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(177, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 156, 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(177, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3440, 0.2553, 0.2143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

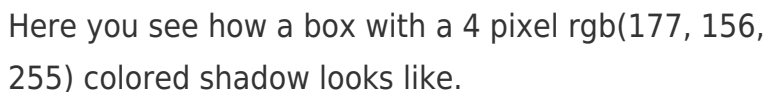
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 156, 255) }
```

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

```
.border{ border-color:rgb(177, 156, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 156, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 156, 255); box-shadow:4px 4px 4px 4px rgb(177, 156, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3440, 0.2553, 0.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 156, 255) }
```

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

```
.background{ background-color: rgb(177,  
156, 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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