

Converting Colors

$Y_{xy}(40.4041, 0.2568, 0.2638)$

Have a look what the booklet for
Yxy(40.4041, 0.2568, 0.2638)
contains.

Yxy(40.4041, 0.2568, 0.2638)	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(40.4041, 0.2568, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	92ABDC
RGB	146, 171, 220
RGB Percent	57%, 67%, 86%
CMY	0.4275, 0.3294, 0.1373
CMYK	0.34, 0.22, 0.00, 0.14
HSL	220°, 51%, 72%
HSV	220°, 34%, 86%
XYZ	39.3320, 40.4041, 73.4258
YIQ	169.1110, -30.6290, 9.9390

Conversions

Conversions Part 2

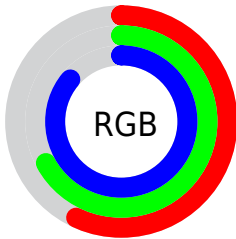
Format	Color
RYB	146, 165, 220
Decimal	9612252
CIELab	69.76, 2.96, -27.53
CIElCh	70, 27.688, 276.131
Yxy	40.4041, 0.2568, 0.2638
Android (android.graphics.Color)	4287802332 (0xFF92ABDC)
YUV	169.1110, 25.0883, -20.2683
Hunter-Lab	63.5642, -0.7860, -23.9935

Details

The Yxy color `40.4041, 0.2568, 0.2638` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `56.3046, 0.3720, 0.3864`, and the grayscale version is `39.6186, 0.3127, 0.3290`.

A 20% lighter version of the original color is `74.1693, 0.2795, 0.2978`, and `18.2374, 0.2409, 0.2454` is the 20% darker color. If you saturate the color by 10%, you get `33.3784, 0.2388, 0.2402`, and if you desaturate by 10%, it is `48.4268, 0.2744, 0.2856`.

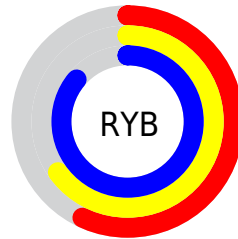
Distribution



Red (57%)

Green (67%)

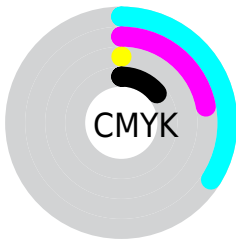
Blue (86%)



Red (57%)

Yellow (65%)

Blue (86%)

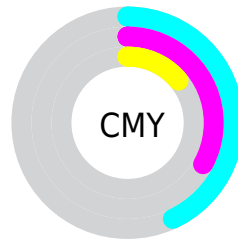


Cyan (34%)

Magenta (22%)

Yellow (0%)

Black (14%)



Cyan (43%)


Magenta (33%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4041, 0.2568, 0.2638 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 40.4041, 0.2568, 0.2638 by changing the saturation by 10% instead.


 40.4041, 0.2568,
0.2638


 40.4041, 0.2568,
0.2638


347.8239, 0.2849,
0.2963

 27.8538, 0.2498,
0.2558


 75.7785, 0.2670,
0.2755

 18.2154, 0.2409,
0.2457


 99.3713, 0.2709,
0.2800

 11.1048, 0.2291,
0.2324


127.4137, 0.2741,
0.2837

 6.1374, 0.2130,
0.2143

160.2901, 0.2769,
0.2869

 2.9288, 0.1898,
0.1886

198.3850, 0.2793,
0.2898

 1.0947, 0.1545,
0.1502

242.0826, 0.2814,

 0.0000, 0.0205,

0.2922

0.0000

291.7674, 0.2833,
0.2944

0.0000, 0.0000,
0.0000

40.4041, 0.2568,
0.2638

40.4041, 0.2568,
0.2638

33.3784, 0.2388,
0.2402

48.4268, 0.2744,
0.2856

27.3032, 0.2211,
0.2152

57.4810, 0.2913,
0.3054

22.1348, 0.2044,
0.1897

67.6053, 0.3072,
0.3231

17.8238, 0.1894,
0.1644

78.8346, 0.3220,
0.3387

14.3152, 0.1770,
0.1405

91.0154, 0.3348,
0.3525

■ 11.5453, 0.1677,
0.1192

■ 97.9466, 0.3334,
0.3631

■ 10.1147, 0.1631,
0.1072

Harmonies

Analogous

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



40.4041, 0.2397, 0.2765



40.4041, 0.2568, 0.2638



40.4041, 0.2891, 0.2671

Triad

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



40.4041, 0.2568, 0.2638



40.4041, 0.3909, 0.3448



40.4041, 0.2923, 0.3805

Complementary

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



40.4041, 0.2568, 0.2638



56.3046, 0.3720, 0.3864

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.



40.4041, 0.3326, 0.4007



40.4041, 0.2568, 0.2638



40.4041, 0.3909, 0.3760

Square

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



40.4041, 0.2568, 0.2638



40.4041, 0.3680, 0.3121



40.4041, 0.3690, 0.3977



40.4041, 0.2590, 0.3438

Rectangle

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



40.4041, 0.2568, 0.2638



40.4041, 0.3159, 0.2773



40.4041, 0.3690, 0.3977



40.4041, 0.3055, 0.3897

Sweetspot

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



40.4057, 0.2568, 0.2638



85.1803, 0.2971, 0.3119



61.1884, 0.2796, 0.3625



17.8129, 0.2948, 0.3093



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.



40.4057, 0.2568, 0.2638



49.7396, 0.2448, 0.2482



32.8985, 0.2612, 0.2315



13.3332, 0.2981, 0.3131



6.1223, 0.1639, 0.1099



0.5530, 0.1731, 0.1429

Inverse Universe

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



38.7089, 0.3644, 0.2992



47.6512, 0.3793, 0.2932



66.7932, 0.3545, 0.4151



13.1238, 0.3239, 0.3211



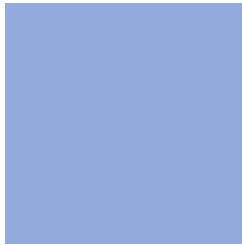
9.2418, 0.5611, 0.2865



0.6145, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 40.4041, 0.2568, 0.2638 looks on a white background.

Color Contrast Check

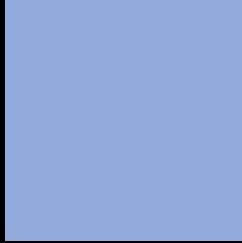
Large Text (above 18pt) WCAG AA × Fail

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 40.4041, 0.2568, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

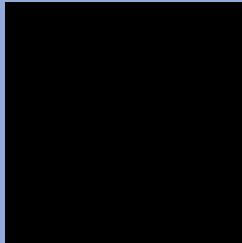
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

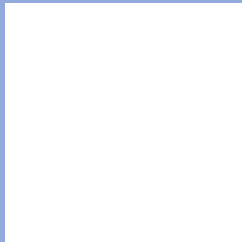
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4041, 0.2568, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 40.4041, 0.2568, 0.2638.



This preview shows how white text looks on a background with the Yxy color 40.4041, 0.2568, 0.2638.

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

40.4041, 0.2568, 0.2638

Protanopia

40.2353, 0.2655, 0.2634

Deuteranopia

40.2288, 0.2649, 0.2589



Tritanopia

40.2573, 0.2721, 0.3089

Trichromacy



Original Color

40.4041, 0.2568, 0.2638

Protanomaly

40.2627, 0.2621, 0.2631

Deuteranomaly

40.0957, 0.2614, 0.2595

Tritanomaly

40.2399, 0.2666, 0.2913

Monochromacy



Original Color

40.4041, 0.2568, 0.2638

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9574, 0.2904, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4041, 0.2568, 0.2638 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(146, 171, 220)` looks like.

```
.text, #text, p{  
    color:rgb(146, 171, 220)  
}
```

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(146, 171, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 171, 220) }
```

Border

The CSS property to change the border of an element to Yxy 40.4041, 0.2568, 0.2638 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(146, 171, 220) }
```

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

```
.border{ border-color:rgb(146, 171, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 171, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 171, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 171, 220);  
box-shadow:4px 4px 4px 4px rgb(146, 171,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4041, 0.2568, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 171, 220) }
```

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

```
.background{ background-color: rgb(146,  
171, 220) }
```

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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