

Converting Colors

$Y_{xy}(40.7494, 0.2569, 0.2770)$

Have a look what the booklet for
Yxy(40.7494, 0.2569, 0.2770)
contains.

Yxy(40.9530, 0.2570, 0.2771)	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(40.9530, 0.2570, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	8BAFD5
RGB	139, 175, 213
RGB Percent	55%, 69%, 84%
CMY	0.4551, 0.3137, 0.1647
CMYK	0.35, 0.18, 0.00, 0.16
HSL	211°, 47%, 69%
HSV	211°, 35%, 84%
XYZ	37.9824, 40.9530, 68.8560
YIQ	168.5680, -33.6540, 4.1860

Conversions

Conversions Part 2

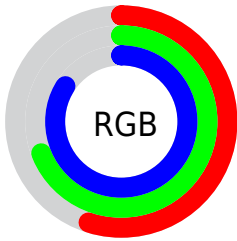
Format	Color
R _Y B	139, 163, 213
Decimal	9154517
CIE Lab	70.14, -3.02, -23.15
CIE LCh	70, 23.342, 262.565
Yxy	40.9530, 0.2570, 0.2771
Android (android.graphics.Color)	4287344597 (0xFF8BAFD5)
YUV	168.5680, 21.9050, -25.9311
Hunter-Lab	63.9945, -6.0461, -18.9979

Details

The Yxy color **40.9530, 0.2570, 0.2771** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.4341, 0.3786, 0.3756**, and the grayscale version is **39.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2830, 0.2750, 0.3019**, and **18.6130, 0.2416, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **35.2129, 0.2407, 0.2590**, and if you desaturate by 10%, it is **47.3978, 0.2735, 0.2939**.

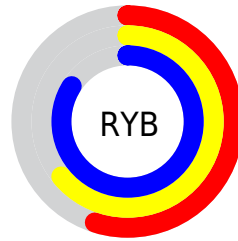
Distribution



Red (55%)

Green (69%)

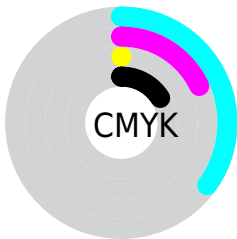
Blue (84%)



Red (55%)

Yellow (64%)

Blue (84%)

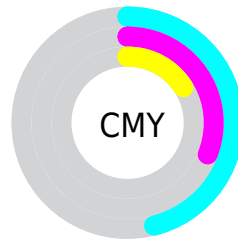


Cyan (35%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (46%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9530, 0.2570, 0.2771 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 40.9530, 0.2570, 0.2771 by changing the saturation by 10% instead.

■ 40.9530, 0.2570,
0.2771

■ 40.9530, 0.2570,
0.2771

■ 350.1241, 0.2849,
0.3034

■ 28.2824, 0.2501,
0.2705

■ 76.6125, 0.2671,
0.2867

■ 18.5386, 0.2412,
0.2621

■ 100.3702, 0.2709,
0.2903

■ 11.3374, 0.2296,
0.2508

■ 128.5924, 0.2742,
0.2933

■ 6.2942, 0.2136,
0.2353

■ 161.6634, 0.2769,
0.2959

■ 3.0248, 0.1905,
0.2125

■ 199.9677, 0.2793,
0.2981

■ 1.1447, 0.1550,
0.1770

■ 243.8897, 0.2814,

■ 0.0158, 0.0000,

0.3001

0.0087

293.8137, 0.2833,
0.3018

0.0000, 0.0000,
0.0000

40.9530, 0.2570,
0.2771

40.9530, 0.2570,
0.2771

35.2129, 0.2407,
0.2590

47.3978, 0.2735,
0.2939

30.1438, 0.2250,
0.2398

54.5694, 0.2897,
0.3092

25.7159, 0.2105,
0.2199

62.4950, 0.3055,
0.3230

21.8945, 0.1978,
0.1998

71.1984, 0.3205,
0.3353

18.6406, 0.1872,
0.1800

80.7025, 0.3347,
0.3461

■ 15.9079, 0.1791,
0.1612

■ 88.7299, 0.3398,
0.3564

■ 14.6480, 0.1755,
0.1518

■ 95.3806, 0.3381,
0.3668

■ 97.5843, 0.3376,
0.3701

Harmonies

Analogous

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



40.9530, 0.2491, 0.2945



40.9530, 0.2570, 0.2771



40.9530, 0.2793, 0.2735

Triad

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



40.9530, 0.2570, 0.2771



40.9530, 0.3716, 0.3301



40.9530, 0.3110, 0.3816

Complementary

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



40.9530, 0.2570, 0.2771



47.4341, 0.3786, 0.3756

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.



40.9530, 0.3446, 0.3901



40.9530, 0.2570, 0.2771



40.9530, 0.3807, 0.3580

Square

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



40.9530, 0.2570, 0.2771



40.9530, 0.3457, 0.3034



40.9530, 0.3705, 0.3804



40.9530, 0.2791, 0.3562

Rectangle

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



40.9530, 0.2570, 0.2771



40.9530, 0.3000, 0.2786



40.9530, 0.3705, 0.3804



40.9530, 0.3225, 0.3865

Sweetspot

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



40.9546, 0.2570, 0.2771



87.4150, 0.2971, 0.3158



56.2100, 0.2853, 0.3794



18.3521, 0.2949, 0.3138



0.0000, 0.0000, 0.0000



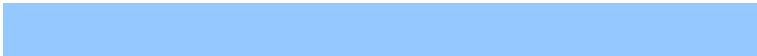
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9546, 0.2570, 0.2771



54.8380, 0.2445, 0.2633



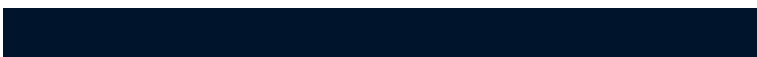
28.7427, 0.2501, 0.2255



12.9969, 0.2982, 0.3167



9.1503, 0.1762, 0.1544



0.7173, 0.1851, 0.1863

Inverse Universe

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



35.6955, 0.3546, 0.2851



46.5809, 0.3679, 0.2753



63.6005, 0.3648, 0.4151



12.5206, 0.3216, 0.3177



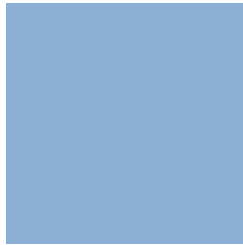
9.2686, 0.5002, 0.2529



0.5757, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 40.9530, 0.2570, 0.2771 looks on a white background.

Color Contrast Check

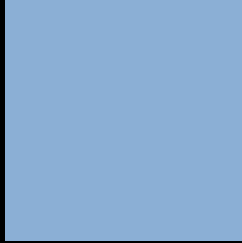
Large Text (above 18pt) WCAG AA × Fail

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 40.9530, 0.2570, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

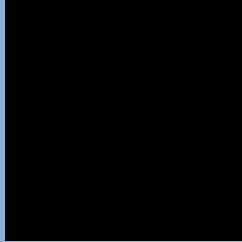
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

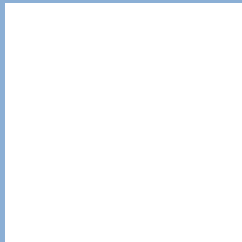
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9530, 0.2570, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 40.9530, 0.2570, 0.2771.



This preview shows how white text looks on a background with the Yxy color 40.9530, 0.2570, 0.2771.

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

40.9530, 0.2570, 0.2771

Protanopia

40.6608, 0.2756, 0.2761

Deuteranopia

40.9109, 0.2737, 0.2680



Tritanopia

41.1588, 0.2670, 0.3089

Trichromacy



Original Color

40.9530, 0.2570, 0.2771

Protanomaly

40.6490, 0.2690, 0.2767

Deuteranomaly

41.0488, 0.2678, 0.2721

Tritanomaly

41.2452, 0.2637, 0.2980

Monochromacy



Original Color

40.9530, 0.2570, 0.2771

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8977, 0.2902, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9530, 0.2570, 0.2771 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(139, 175, 213)` looks like.

```
.text, #text, p{  
    color:rgb(139, 175, 213)  
}
```

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(139, 175, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 175, 213) }
```

Border

The CSS property to change the border of an element to Yxy 40.9530, 0.2570, 0.2771 is called "border". The border property can be set on classes, ids or directly on the HTML element.

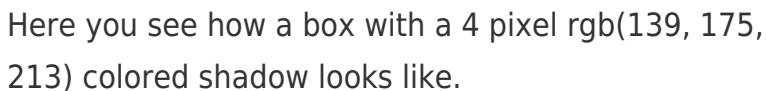
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 175, 213) }
```

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

```
.border{ border-color:rgb(139, 175, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 175, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 175, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 175, 213); box-shadow:4px 4px 4px 4px rgb(139, 175, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9530, 0.2570, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 175, 213) }
```

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

```
.background{ background-color: rgb(139,  
175, 213) }
```

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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