

Converting Colors

$Y_{xy}(42.1997, 0.2579, 0.2778)$

Have a look what the booklet for
Yxy(42.1997, 0.2579, 0.2778)
contains.

Yxy(42.1014, 0.2582, 0.2777)	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(42.1014, 0.2582, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	8EB1D7
RGB	142, 177, 215
RGB Percent	56%, 69%, 84%
CMY	0.4431, 0.3059, 0.1568
CMYK	0.34, 0.18, 0.00, 0.16
HSL	211°, 48%, 70%
HSV	211°, 34%, 84%
XYZ	39.1451, 42.1014, 70.3610
YIQ	170.8670, -33.0580, 4.3980

Conversions

Conversions Part 2

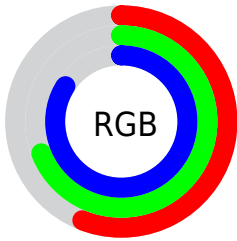
Format	Color
R_{YB}	142, 166, 215
Decimal	9351639
CIE _{Lab}	70.94, -2.74, -23.01
CIE _{LCh}	71, 23.175, 263.212
Yxy	42.1014, 0.2582, 0.2777
Android (android.graphics.Color)	4287541719 (0xFF8EB1D7)
YUV	170.8670, 21.7576, -25.3164
Hunter-Lab	64.8856, -5.8619, -18.8733

Details

The Yxy color **42.1014, 0.2582, 0.2777** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.0529, 0.3765, 0.3751**, and the grayscale version is **40.5575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3681, 0.2771, 0.3053**, and **19.3291, 0.2432, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **36.1381, 0.2418, 0.2594**, and if you desaturate by 10%, it is **48.7976, 0.2747, 0.2946**.

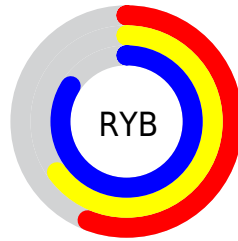
Distribution



Red (56%)

Green (69%)

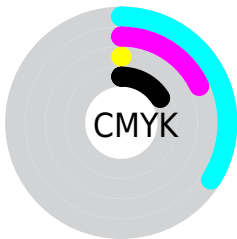
Blue (84%)



Red (56%)

Yellow (65%)

Blue (84%)

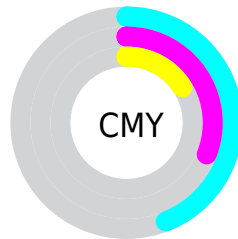


Cyan (34%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (44%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1014, 0.2582, 0.2777 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 42.1014, 0.2582, 0.2777 by changing the saturation by 10% instead.

■ 42.1014, 0.2582,
0.2777

■ 42.1014, 0.2582,
0.2777

■ 354.9031, 0.2854,
0.3035

■ 29.1807, 0.2515,
0.2713

■ 78.3531, 0.2680,
0.2871

■ 19.2176, 0.2429,
0.2630

■ 102.4528, 0.2717,
0.2906

■ 11.8276, 0.2317,
0.2521

■ 131.0477, 0.2749,
0.2936

■ 6.6264, 0.2162,
0.2370

■ 164.5221, 0.2776,
0.2962

■ 3.2296, 0.1941,
0.2151

■ 203.2605, 0.2799,
0.2984

■ 1.2527, 0.1601,
0.1810

■ 247.6472, 0.2820,

■ 0.1041, 0.0155,

0.3003

0.0502

298.0666, 0.2838,
0.3020

0.0000, 0.0000,
0.0000

42.1014, 0.2582,
0.2777

42.1014, 0.2582,
0.2777

36.1381, 0.2418,
0.2594

48.7976, 0.2747,
0.2946

30.8731, 0.2259,
0.2399

56.2497, 0.2910,
0.3101

26.2755, 0.2112,
0.2198

64.4855, 0.3067,
0.3239

22.3100, 0.1982,
0.1993

73.5298, 0.3217,
0.3363

18.9363, 0.1873,
0.1793

83.4062, 0.3358,
0.3472

■ 16.1076, 0.1789,
0.1602

■ 90.9721, 0.3379,
0.3579

■ 14.6194, 0.1748,
0.1492

■ 97.6870, 0.3363,
0.3681

Harmonies

Analogous

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



42.1014, 0.2501, 0.2946



42.1014, 0.2582, 0.2777



42.1014, 0.2804, 0.2744

Triad

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



42.1014, 0.2582, 0.2777



42.1014, 0.3711, 0.3307



42.1014, 0.3104, 0.3803

Complementary

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



42.1014, 0.2582, 0.2777



49.0529, 0.3765, 0.3751

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.



42.1014, 0.3434, 0.3891



42.1014, 0.2582, 0.2777



42.1014, 0.3796, 0.3581

Square

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



42.1014, 0.2582, 0.2777



42.1014, 0.3459, 0.3043



42.1014, 0.3691, 0.3800



42.1014, 0.2791, 0.3551

Rectangle

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



42.1014, 0.2582, 0.2777



42.1014, 0.3010, 0.2796



42.1014, 0.3691, 0.3800



42.1014, 0.3216, 0.3853

Sweetspot

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



42.1030, 0.2582, 0.2777



87.2997, 0.2971, 0.3156



57.6430, 0.2851, 0.3763



18.3243, 0.2949, 0.3136



0.0000, 0.0000, 0.0000



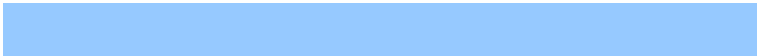
21.4041, 0.3127, 0.3290

Same Dimension

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



42.1030, 0.2582, 0.2777



55.3166, 0.2459, 0.2642



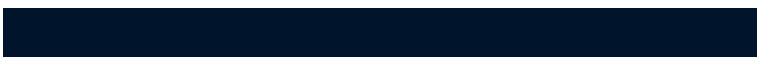
30.1151, 0.2528, 0.2285



12.9810, 0.2982, 0.3165



8.9529, 0.1755, 0.1519



0.7052, 0.1845, 0.1841

Inverse Universe

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



36.9718, 0.3540, 0.2867



47.4131, 0.3668, 0.2773



64.8261, 0.3626, 0.4134



12.5190, 0.3217, 0.3179



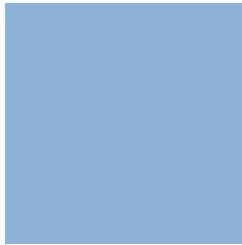
9.2486, 0.5034, 0.2547



0.5745, 0.4636, 0.2328

Previews

White Background



This preview shows how the Yxy color 42.1014, 0.2582, 0.2777 looks on a white background.

Color Contrast Check

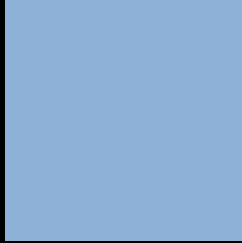
Large Text (above 18pt) WCAG AA × Fail

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 42.1014, 0.2582, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

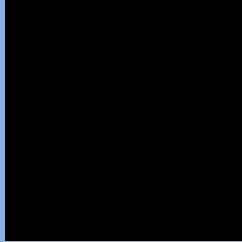
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

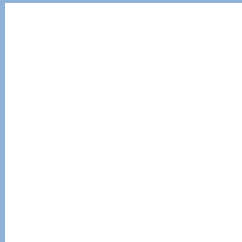
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1014, 0.2582, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 42.1014, 0.2582, 0.2777.

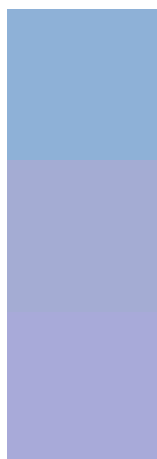


This preview shows how white text looks on a background with the Yxy color 42.1014, 0.2582, 0.2777.

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

42.1014, 0.2582, 0.2777

Protanopia

42.1007, 0.2761, 0.2779

Deuteranopia

42.0840, 0.2748, 0.2687



Tritanopia

41.9010, 0.2679, 0.3077

Trichromacy



Original Color

42.1014, 0.2582, 0.2777

Protanomaly

42.0935, 0.2696, 0.2786

Deuteranomaly

42.2159, 0.2690, 0.2728

Tritanomaly

41.9934, 0.2646, 0.2969

Monochromacy



Original Color

42.1014, 0.2582, 0.2777

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9486, 0.2904, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1014, 0.2582, 0.2777 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(142, 177, 215)` looks like.

```
.text, #text, p{  
    color:rgb(142, 177, 215)  
}
```

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(142, 177, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 177, 215) }
```

Border

The CSS property to change the border of an element to Yxy 42.1014, 0.2582, 0.2777 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(142, 177, 215) }
```

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

```
.border{ border-color:rgb(142, 177, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 177, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 177, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 177, 215); box-shadow:4px 4px 4px 4px rgb(142, 177, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1014, 0.2582, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 177, 215) }
```

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

```
.background{ background-color: rgb(142,  
177, 215) }
```

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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