

Converting Colors

$Y_{xy}(42.6519, 0.2385, 0.2269)$

Have a look what the booklet for
Yxy(42.6519, 0.2385, 0.2269)
contains.

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Color

Yxy(42.6417, 0.2385, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	94ABFF
RGB	148, 171, 255
RGB Percent	58%, 67%, 100%
CMY	0.4197, 0.3294, 0.0000
CMYK	0.42, 0.33, 0.00, 0.00
HSL	227°, 100%, 79%
HSV	227°, 42%, 100%
XYZ	44.8217, 42.6417, 100.4683
YIQ	173.6990, -40.6720, 21.2480

Conversions

Conversions Part 2

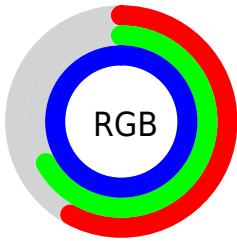
Format	Color
R _Y B	148, 167, 255
Decimal	9743359
CIE Lab	71.31, 12.84, -44.17
CIE LCh	71, 46.001, 286.210
Yxy	42.6417, 0.2385, 0.2269
Android (android.graphics.Color)	4287933439 (0xFF94ABFF)
YUV	173.6990, 40.0814, -22.5380
Hunter-Lab	65.3006, 8.2446, -45.5102

Details

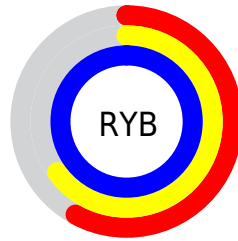
The Yxy color **42.6417, 0.2385, 0.2269** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **81.0905, 0.3844, 0.4133**, and the grayscale version is **41.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5918, 0.2813, 0.2980**, and **19.5462, 0.2190, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **33.5248, 0.2191, 0.1974**, and if you desaturate by 10%, it is **53.4300, 0.2578, 0.2550**.

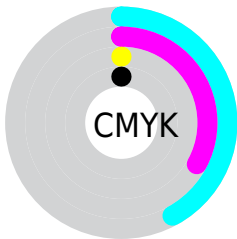
Distribution



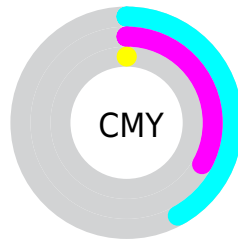
- Red (58%)
- Green (67%)
- Blue (100%)



- Red (58%)
- Yellow (65%)
- Blue (100%)



- Cyan (42%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6417, 0.2385, 0.2269 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 42.6417, 0.2385, 0.2269 by changing the saturation by 10% instead.

■ 42.6417, 0.2385,
0.2269

■ 42.6417, 0.2385,
0.2269

■ 357.1362, 0.2751,
0.2754

■ 29.6041, 0.2297,
0.2158

■ 79.1699, 0.2516,
0.2438

■ 19.5383, 0.2188,
0.2021

■ 103.4293, 0.2566,
0.2504

■ 12.0599, 0.2047,
0.1850

■ 132.1980, 0.2608,
0.2560

■ 6.7845, 0.1862,
0.1631

■ 165.8605, 0.2645,
0.2609

■ 3.3277, 0.1613,
0.1347

■ 204.8012, 0.2677,
0.2652

■ 1.3051, 0.1268,
0.0978

■ 249.4044, 0.2705,

■ 0.1451, 0.0738,

0.2690

0.0237

300.0546, 0.2729,
0.2724

■ 0.0000, 0.0000,
0.0000

■ 42.6417, 0.2385,
0.2269

■ 42.6417, 0.2385,
0.2269

■ 33.5248, 0.2191,
0.1974

■ 53.4300, 0.2578,
0.2550

■ 25.9885, 0.2005,
0.1676

■ 65.9648, 0.2764,
0.2810

■ 19.9403, 0.1839,
0.1391

■ 80.3218, 0.2938,
0.3044

■ 15.2753, 0.1703,
0.1135

■ 96.5713, 0.3098,
0.3252

■ 11.8731, 0.1606,
0.0926

■ 99.9995, 0.3127,
0.3290

■ 9.9393, 0.1555,
0.0796

Harmonies

Analogous

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



42.6417, 0.2049, 0.2356



42.6417, 0.2385, 0.2269



42.6417, 0.2944, 0.2403

Triad

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



42.6417, 0.2385, 0.2269



42.6417, 0.4445, 0.3665



42.6417, 0.2583, 0.3971

Complementary

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



42.6417, 0.2385, 0.2269



81.0905, 0.3844, 0.4133

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.



42.6417, 0.3196, 0.4436



42.6417, 0.2385, 0.2269



42.6417, 0.4290, 0.4141

Square

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



42.6417, 0.2385, 0.2269



42.6417, 0.4197, 0.3165



42.6417, 0.3823, 0.4463



42.6417, 0.2146, 0.3284

Rectangle

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



42.6417, 0.2385, 0.2269



42.6417, 0.3394, 0.2598



42.6417, 0.3823, 0.4463



42.6417, 0.2775, 0.4167

Sweetspot

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



42.6433, 0.2385, 0.2269



78.7551, 0.2921, 0.3021



83.6244, 0.2658, 0.3556



16.1534, 0.2883, 0.2971



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.



42.6433, 0.2385, 0.2269



35.1914, 0.2229, 0.2032



37.8952, 0.2552, 0.2055



18.0112, 0.2979, 0.3098



5.3690, 0.1561, 0.0819



0.6739, 0.1616, 0.1016

Inverse Universe

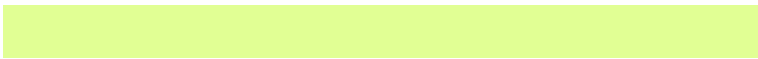
The Inverse Universe completely reimagines the original color for something new.



45.3739, 0.3979, 0.3051



38.9326, 0.4237, 0.3010



89.6074, 0.3546, 0.4411



18.0510, 0.3260, 0.3239



11.2700, 0.6039, 0.3100



1.1126, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 42.6417, 0.2385, 0.2269 looks on a white background.

Color Contrast Check

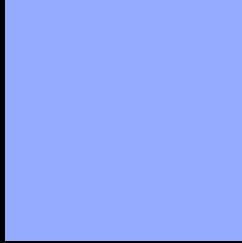
Large Text (above 18pt) WCAG AA × Fail

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 42.6417, 0.2385, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

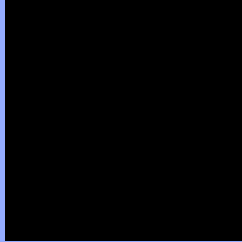
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6417, 0.2385, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 42.6417, 0.2385, 0.2269.



This preview shows how white text looks on a background with the Yxy color 42.6417, 0.2385, 0.2269.

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

42.6417, 0.2385, 0.2269

Protanopia

42.5489, 0.2379, 0.2267

Deuteranopia

42.7699, 0.2348, 0.2284



Tritanopia

42.4737, 0.2642, 0.3077

Trichromacy



Original Color

42.6417, 0.2385, 0.2269

Protanomaly

42.5489, 0.2379, 0.2267

Deuteranomaly

42.6543, 0.2363, 0.2275

Tritanomaly

42.3060, 0.2539, 0.2751

Monochromacy



Original Color

42.6417, 0.2385, 0.2269

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.1983, 0.2826, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6417, 0.2385, 0.2269 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(148, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 171, 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(148, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6417, 0.2385, 0.2269 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(148, 171, 255) }
```

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

```
.border{ border-color:rgb(148, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6417, 0.2385, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 171, 255) }
```

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

```
.background{ background-color: rgb(148,  
171, 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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