

Converting Colors

$Y_{xy}(47.7035, 0.2433, 0.2217)$

Have a look what the booklet for
Yxy(47.7035, 0.2433, 0.2217)
contains.

Yxy(46.5955, 0.2520, 0.2362)	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(46.5955, 0.2520, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	A8B0FF
RGB	168, 176, 255
RGB Percent	66%, 69%, 100%
CMY	0.3414, 0.3097, 0.0001
CMYK	0.34, 0.31, 0.00, 0.00
HSL	234°, 100%, 83%
HSV	234°, 34%, 100%
XYZ	49.7124, 46.5955, 100.9635
YIQ	182.6140, -30.1270, 22.8730

Conversions

Conversions Part 2

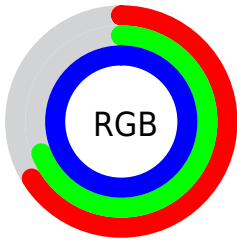
Format	Color
R_{YB}	168, 175, 255
Decimal	11055359
CIE _{Lab}	73.93, 15.22, -39.98
CIE _{LCh}	74, 42.776, 290.845
Yxy	46.5955, 0.2520, 0.2362
Android (android.graphics.Color)	4289245439 (0xFFA8B0FF)
YUV	182.6140, 35.6863, -12.8165
Hunter-Lab	68.2609, 10.5397, -39.9122

Details

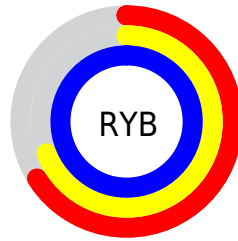
The Yxy color **46.5955, 0.2520, 0.2362** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.5459, 0.3668, 0.4074**, and the grayscale version is **46.9421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3794, 0.2941, 0.3044**, and **22.0032, 0.2359, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **35.7557, 0.2313, 0.2034**, and if you desaturate by 10%, it is **59.5332, 0.2718, 0.2669**.

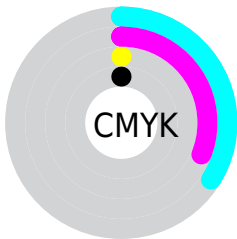
Distribution



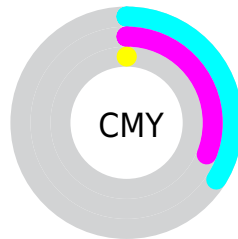
- Red (66%)
- Green (69%)
- Blue (100%)



- Red (66%)
- Yellow (69%)
- Blue (100%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5955, 0.2520, 0.2362 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 46.5955, 0.2520, 0.2362 by changing the saturation by 10% instead.

■ 46.5955, 0.2520,
0.2362

■ 46.5955, 0.2520,
0.2362

373.1976, 0.2819,
0.2798

■ 32.7160, 0.2448,
0.2262

■ 85.1095, 0.2627,
0.2514

■ 21.9090, 0.2358,
0.2140

110.5128, 0.2668,
0.2573

■ 13.7900, 0.2242,
0.1987

140.5262, 0.2702,
0.2623

■ 7.9748, 0.2089,
0.1790

175.5340, 0.2732,
0.2667

■ 4.0788, 0.1878,
0.1532

215.9206, 0.2758,
0.2706

■ 1.7177, 0.1579,
0.1189

262.0705, 0.2781,


■ 0.4351, 0.1153,


0.2740


0.0639


314.3681, 0.2801,
0.2771


 0.0000, 0.0000,
0.0000

 46.5955, 0.2520,
0.2362


 46.5955, 0.2520,
0.2362

 35.7557, 0.2313,
0.2034

 59.5332, 0.2718,
0.2669


 26.8979, 0.2106,
0.1700


 74.6657, 0.2900,
0.2948

 19.9032, 0.1912,
0.1377

 92.0906, 0.3065,
0.3197

 14.6374, 0.1745,
0.1090

 99.9987, 0.3127,
0.3290

 10.9485, 0.1618,
0.0861

■ 8.6571, 0.1540,
0.0705

■ 7.8577, 0.1513,
0.0647

Harmonies

Analogous

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



46.5955, 0.2175, 0.2413



46.5955, 0.2520, 0.2362



46.5955, 0.3056, 0.2513

Triad

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



46.5955, 0.2520, 0.2362



46.5955, 0.4321, 0.3714



46.5955, 0.2563, 0.3811

Complementary

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



46.5955, 0.2520, 0.2362



90.5459, 0.3668, 0.4074

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.



46.5955, 0.3106, 0.4274



46.5955, 0.2520, 0.2362



46.5955, 0.4137, 0.4131

Square

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



46.5955, 0.2520, 0.2362



46.5955, 0.4150, 0.3253



46.5955, 0.3684, 0.4371



46.5955, 0.2192, 0.3197

Rectangle

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



46.5955, 0.2520, 0.2362



46.5955, 0.3466, 0.2709



46.5955, 0.3684, 0.4371



46.5955, 0.2730, 0.3996

Sweetspot

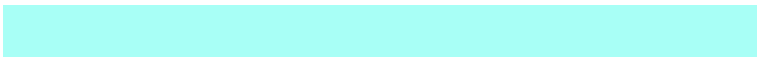
The Sweet Spot groups the original color and five complimentary colors.



46.5973, 0.2520, 0.2362



81.5979, 0.2970, 0.3055



86.4971, 0.2683, 0.3385



16.9522, 0.2947, 0.3019



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.



46.5973, 0.2520, 0.2362



38.9398, 0.2378, 0.2139



47.8682, 0.2757, 0.2331



17.6486, 0.2979, 0.3067



4.1969, 0.1517, 0.0660



0.4957, 0.1551, 0.0782

Inverse Universe

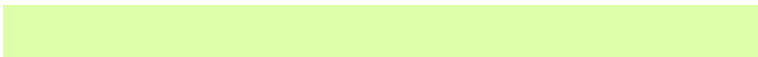
The Inverse Universe completely reimagines the original color for something new.



52.3781, 0.3862, 0.3207



45.7598, 0.4085, 0.3191



89.5741, 0.3407, 0.4216



18.0144, 0.3280, 0.3268



11.1516, 0.6299, 0.3244



1.0946, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 46.5955, 0.2520, 0.2362 looks on a white background.

Color Contrast Check

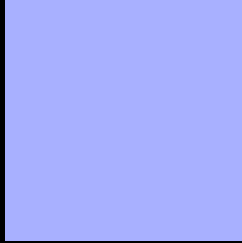
Large Text (above 18pt) WCAG AA × Fail

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 46.5955, 0.2520, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

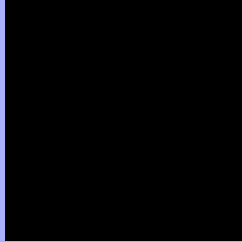
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5955, 0.2520, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 46.5955, 0.2520, 0.2362.



This preview shows how white text looks on a background with the Yxy color 46.5955, 0.2520, 0.2362.

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

46.5955, 0.2520, 0.2362

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.4639, 0.2455, 0.2390



Tritanopia

46.4028, 0.2783, 0.3089

Trichromacy



Original Color

46.5955, 0.2520, 0.2362

Protanomaly

46.7422, 0.2485, 0.2377

Deuteranomaly

46.4701, 0.2478, 0.2383

Tritanomaly

46.1499, 0.2677, 0.2790

Monochromacy



Original Color

46.5955, 0.2520, 0.2362

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7109, 0.2890, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5955, 0.2520, 0.2362 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(168, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 176, 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(168, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5955, 0.2520, 0.2362 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(168, 176, 255) }
```

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

```
.border{ border-color:rgb(168, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5955, 0.2520, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 176, 255) }
```

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

```
.background{ background-color: rgb(168,  
176, 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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