

Converting Colors

$Yxy(45.6865, 0.2419, 0.2508)$

Have a look what the booklet for
Yxy(45.6865, 0.2419, 0.2508)
contains.

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Color

Yxy(45.6503, 0.2423, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	8DB6F4
RGB	141, 182, 244
RGB Percent	55%, 71%, 96%
CMY	0.4469, 0.2863, 0.0430
CMYK	0.42, 0.25, 0.00, 0.04
HSL	216°, 82%, 76%
HSV	216°, 42%, 96%
XYZ	44.0504, 45.6503, 92.1005
YIQ	176.8090, -44.3380, 10.5900

Conversions

Conversions Part 2

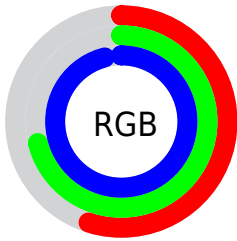
Format	Color
R _Y B	141, 170, 244
Decimal	9287412
CIE Lab	73.32, 1.95, -35.15
CIE LCh	73, 35.203, 273.169
Yxy	45.6503, 0.2423, 0.2511
Android (android.graphics.Color)	4287477492 (0xFF8DB6F4)
YUV	176.8090, 33.1252, -31.4045
Hunter-Lab	67.5650, -1.8619, -33.5250

Details

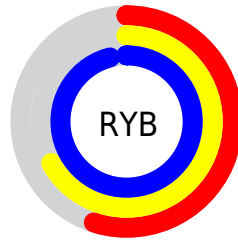
The Yxy color **45.6503, 0.2423, 0.2511** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.9159, 0.3929, 0.3954**, and the grayscale version is **43.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3748, 0.2781, 0.3108**, and **21.2626, 0.2234, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **38.0341, 0.2252, 0.2284**, and if you desaturate by 10%, it is **54.3734, 0.2597, 0.2724**.

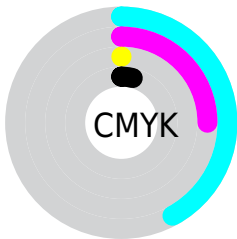
Distribution



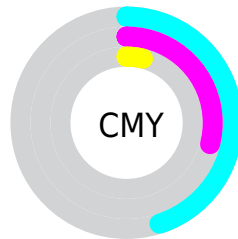
- Red (55%)
- Green (71%)
- Blue (96%)



- Red (55%)
- Yellow (67%)
- Blue (96%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (45%)
- Magenta (29%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6503, 0.2423, 0.2511 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 45.6503, 0.2423, 0.2511 by changing the saturation by 10% instead.

■ 45.6503, 0.2423,
0.2511

■ 45.6503, 0.2423,
0.2511

369.4009, 0.2766,
0.2889

■ 31.9700, 0.2341,
0.2422

■ 83.6954, 0.2545,
0.2645

■ 21.3386, 0.2239,
0.2310

■ 108.8289, 0.2592,
0.2696

■ 13.3717, 0.2107,
0.2167

138.5490, 0.2632,
0.2740

■ 7.6850, 0.1934,
0.1980

173.2400, 0.2666,
0.2778

■ 3.8941, 0.1697,
0.1725

213.2863, 0.2696,
0.2811

■ 1.6145, 0.1363,
0.1370

259.0723, 0.2722,

■ 0.3673, 0.0773,

0.2840

0.0716

310.9824, 0.2746,
0.2866

0.0000, 0.0000,
0.0000

45.6503, 0.2423,
0.2511

45.6503, 0.2423,
0.2511

38.0341, 0.2252,
0.2284

54.3734, 0.2597,
0.2724

31.4689, 0.2090,
0.2049

64.2452, 0.2770,
0.2921

25.9010, 0.1945,
0.1813

75.3115, 0.2936,
0.3098

21.2685, 0.1823,
0.1585

87.6137, 0.3094,
0.3257

17.4998, 0.1729,
0.1374

99.3135, 0.3191,
0.3395

■ 15.0863, 0.1674,
0.1225

Harmonies

Analogous

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



45.6503, 0.2241, 0.2675



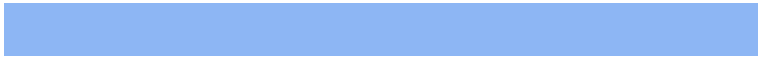
45.6503, 0.2423, 0.2511



45.6503, 0.2792, 0.2537

Triad

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



45.6503, 0.2423, 0.2511



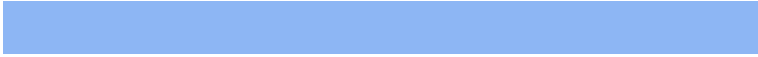
45.6503, 0.4068, 0.3430



45.6503, 0.2920, 0.3966

Complementary

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



45.6503, 0.2423, 0.2511



63.9159, 0.3929, 0.3954

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.



45.6503, 0.3409, 0.4183



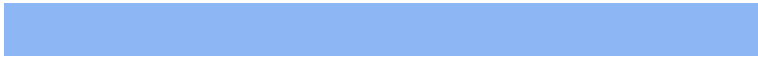
45.6503, 0.2423, 0.2511



45.6503, 0.4092, 0.3813

Square

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



45.6503, 0.2423, 0.2511



45.6503, 0.3762, 0.3046



45.6503, 0.3842, 0.4104



45.6503, 0.2508, 0.3516

Rectangle

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



45.6503, 0.2423, 0.2511



45.6503, 0.3112, 0.2649



45.6503, 0.3842, 0.4104



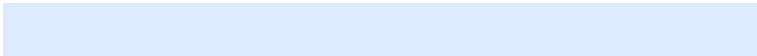
45.6503, 0.3080, 0.4071

Sweetspot

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



45.6520, 0.2423, 0.2511



82.1594, 0.2922, 0.3084



74.6902, 0.2750, 0.3796



16.9869, 0.2886, 0.3046



0.0000, 0.0000, 0.0000



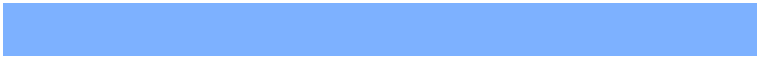
21.4041, 0.3127, 0.3290

Same Dimension

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



45.6520, 0.2423, 0.2511



42.8839, 0.2270, 0.2309



32.2095, 0.2408, 0.2004



17.0078, 0.2980, 0.3143



8.4501, 0.1682, 0.1255



0.9376, 0.1751, 0.1502

Inverse Universe

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



41.6790, 0.3778, 0.2848



39.0751, 0.3990, 0.2761



84.0908, 0.3683, 0.4361



16.5917, 0.3231, 0.3196



10.9524, 0.5389, 0.2743



0.9823, 0.5057, 0.2560

Previews

White Background



This preview shows how the Yxy color 45.6503, 0.2423, 0.2511 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 45.6503, 0.2423, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

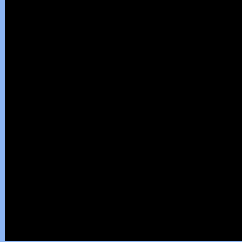
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

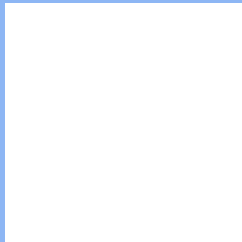
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6503, 0.2423, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 45.6503, 0.2423, 0.2511.



This preview shows how white text looks on a background with the Yxy color 45.6503, 0.2423, 0.2511.

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

45.6503, 0.2423, 0.2511

Protanopia

45.4169, 0.2567, 0.2516

Deuteranopia

45.5104, 0.2525, 0.2461



Tritanopia

45.5488, 0.2587, 0.3067

Trichromacy



Original Color

45.6503, 0.2423, 0.2511

Protanomaly

45.4611, 0.2513, 0.2520

Deuteranomaly

45.6051, 0.2484, 0.2477

Tritanomaly

45.3006, 0.2525, 0.2847

Monochromacy



Original Color

45.6503, 0.2423, 0.2511

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.3498, 0.2837, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6503, 0.2423, 0.2511 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(141, 182, 244)` looks like.

```
.text, #text, p{  
    color:rgb(141, 182, 244)  
}
```

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(141, 182, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 182, 244) }
```

Border

The CSS property to change the border of an element to Yxy 45.6503, 0.2423, 0.2511 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(141, 182, 244) }
```

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

```
.border{ border-color:rgb(141, 182, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 182, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 182, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 182, 244);  
box-shadow:4px 4px 4px 4px rgb(141, 182,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6503, 0.2423, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 182, 244) }
```

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

```
.background{ background-color: rgb(141,  
182, 244) }
```

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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