

Converting Colors

$Yxy(45.8468, 0.2544, 0.2732)$

Have a look what the booklet for
Yxy(45.8468, 0.2544, 0.2732)
contains.

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Color

Yxy(45.8468, 0.2544, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	91B8E3
RGB	145, 184, 227
RGB Percent	57%, 72%, 89%
CMY	0.4311, 0.2785, 0.1098
CMYK	0.36, 0.19, 0.00, 0.11
HSL	212°, 59%, 73%
HSV	212°, 36%, 89%
XYZ	42.6919, 45.8468, 79.2754
YIQ	177.2410, -37.0470, 5.1050

Conversions

Conversions Part 2

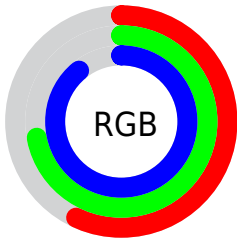
Format	Color
R_YB	145, 171, 227
Decimal	9550051
CIE Lab	73.45, -2.63, -25.71
CIE LCh	73, 25.841, 264.169
Yxy	45.8468, 0.2544, 0.2732
Android (android.graphics.Color)	4287740131 (0xFF91B8E3)
YUV	177.2410, 24.5312, -28.2754
Hunter-Lab	67.7103, -5.9472, -22.0197

Details

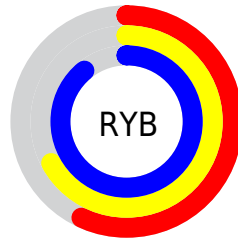
The Yxy color **45.8468, 0.2544, 0.2732** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.3821, 0.3816, 0.3787**, and the grayscale version is **43.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9577, 0.2800, 0.3130**, and **21.3970, 0.2389, 0.2584** is the 20% darker color. If you saturate the color by 10%, you get **39.2427, 0.2380, 0.2544**, and if you desaturate by 10%, it is **53.2837, 0.2710, 0.2907**.

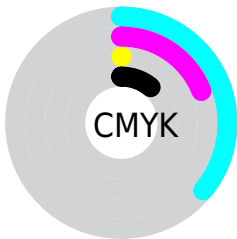
Distribution



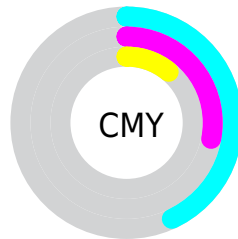
- Red (57%)
- Green (72%)
- Blue (89%)



- Red (57%)
- Yellow (67%)
- Blue (89%)



- Cyan (36%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (43%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8468, 0.2544, 0.2732 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 45.8468, 0.2544, 0.2732 by changing the saturation by 10% instead.

■ 45.8468, 0.2544,
0.2732

■ 45.8468, 0.2544,
0.2732

370.1924, 0.2830,
0.3008

■ 32.1249, 0.2475,
0.2665

■ 83.9897, 0.2646,
0.2831

■ 21.4570, 0.2388,
0.2579

■ 109.1795, 0.2685,
0.2869

■ 13.4584, 0.2274,
0.2468

138.9607, 0.2718,
0.2901

■ 7.7450, 0.2122,
0.2317

173.7178, 0.2747,
0.2928

■ 3.9322, 0.1907,
0.2103

213.8351, 0.2772,
0.2952

■ 1.6357, 0.1590,
0.1781

259.6971, 0.2794,

■ 0.3815, 0.0851,

0.2973

0.1087

311.6880, 0.2813,
0.2992

0.0000, 0.0000,
0.0000

45.8468, 0.2544,
0.2732

45.8468, 0.2544,
0.2732

39.2427, 0.2380,
0.2544

53.2837, 0.2710,
0.2907

33.4312, 0.2222,
0.2345

61.5805, 0.2875,
0.3066

28.3761, 0.2077,
0.2140

70.7696, 0.3034,
0.3210

24.0354, 0.1951,
0.1933

80.8798, 0.3185,
0.3338

20.3617, 0.1847,
0.1732

91.2546, 0.3305,
0.3453

■ 17.2980, 0.1769,
0.1543

■ 98.3263, 0.3292,
0.3562

■ 16.2344, 0.1743,
0.1473

Harmonies

Analogous

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



45.8468, 0.2451, 0.2908



45.8468, 0.2544, 0.2732



45.8468, 0.2787, 0.2703

Triad

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



45.8468, 0.2544, 0.2732



45.8468, 0.3766, 0.3316



45.8468, 0.3088, 0.3842

Complementary

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



45.8468, 0.2544, 0.2732



54.3821, 0.3816, 0.3787

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.



45.8468, 0.3447, 0.3943



45.8468, 0.2544, 0.2732



45.8468, 0.3852, 0.3611

Square

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



45.8468, 0.2544, 0.2732



45.8468, 0.3497, 0.3031



45.8468, 0.3731, 0.3846



45.8468, 0.2753, 0.3563

Rectangle

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



45.8468, 0.2544, 0.2732



45.8468, 0.3011, 0.2762



45.8468, 0.3731, 0.3846



45.8468, 0.3210, 0.3899

Sweetspot

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



45.8486, 0.2544, 0.2732



86.0240, 0.2955, 0.3140



64.5724, 0.2835, 0.3800



18.0656, 0.2934, 0.3121



0.0000, 0.0000, 0.0000



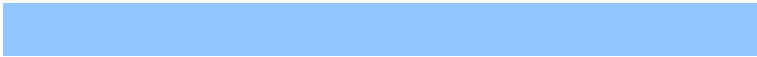
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8486, 0.2544, 0.2732



53.4006, 0.2425, 0.2598



31.9697, 0.2481, 0.2207



15.0107, 0.2981, 0.3163



9.6976, 0.1750, 0.1499



0.9016, 0.1826, 0.1772

Inverse Universe

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



40.0643, 0.3581, 0.2843



45.6690, 0.3711, 0.2753



73.0982, 0.3658, 0.4189



14.4814, 0.3218, 0.3179



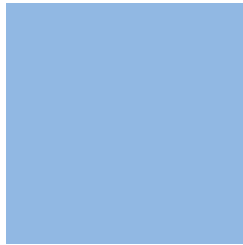
10.1767, 0.5060, 0.2561



0.7707, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 45.8468, 0.2544, 0.2732 looks on a white background.

Color Contrast Check

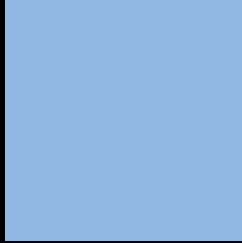
Large Text (above 18pt) WCAG AA × Fail

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 45.8468, 0.2544, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

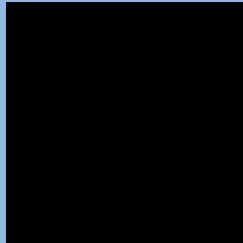
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

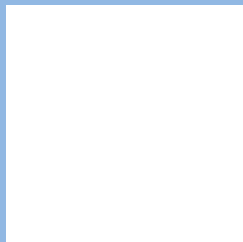
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8468, 0.2544, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 45.8468, 0.2544, 0.2732.



This preview shows how white text looks on a background with the Yxy color 45.8468, 0.2544, 0.2732.

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

45.8468, 0.2544, 0.2732

Protanopia

45.6035, 0.2724, 0.2724

Deuteranopia

45.8721, 0.2706, 0.2648



Tritanopia

45.7672, 0.2655, 0.3083

Trichromacy



Original Color

45.8468, 0.2544, 0.2732

Protanomaly

45.4979, 0.2655, 0.2729

Deuteranomaly

45.9253, 0.2644, 0.2685

Tritanomaly

45.9568, 0.2612, 0.2953

Monochromacy



Original Color

45.8468, 0.2544, 0.2732

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5820, 0.2889, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8468, 0.2544, 0.2732 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(145, 184, 227)` looks like.

```
.text, #text, p{  
    color:rgb(145, 184, 227)  
}
```

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(145, 184, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 184, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.8468, 0.2544, 0.2732 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(145, 184, 227) }
```

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

```
.border{ border-color:rgb(145, 184, 227) }
```

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

Here you see how a box with a 4 pixel rgb(145, 184, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 184, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 184, 227);  
box-shadow:4px 4px 4px 4px rgb(145, 184,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8468, 0.2544, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 184, 227) }
```

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

```
.background{ background-color: rgb(145,  
184, 227) }
```

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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