

Converting Colors

$Yxy(45.4461, 0.2747, 0.2492)$

Have a look what the booklet for
Yxy(45.4461, 0.2747, 0.2492)
contains.

Yxy(45.3616, 0.2744, 0.2487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3616, 0.2744, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	BAAAE6
RGB	186, 170, 238
RGB Percent	73%, 67%, 93%
CMY	0.2707, 0.3333, 0.0668
CMYK	0.22, 0.29, 0.00, 0.07
HSL	254°, 67%, 80%
HSV	254°, 29%, 93%
XYZ	50.0491, 45.3616, 86.9841
YIQ	182.5360, -12.2920, 24.5400

Conversions

Conversions Part 2

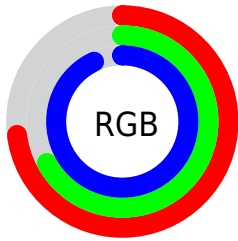
Format	Color
R_{YB}	186, 170, 238
Decimal	12233454
CIE _{Lab}	73.13, 19.58, -31.91
CIE _{LCh}	73, 37.435, 301.539
Yxy	45.3616, 0.2744, 0.2487
Android (android.graphics.Color)	4290423534 (0xFFBAAAE)
YUV	182.5360, 27.3438, 3.0379
Hunter-Lab	67.3510, 14.7807, -29.4276

Details

The Yxy color **45.3616, 0.2744, 0.2487** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.5667, 0.3443, 0.4032**, and the grayscale version is **46.9390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1251, 0.3059, 0.2992**, and **21.2398, 0.2635, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **35.0965, 0.2577, 0.2161**, and if you desaturate by 10%, it is **57.5358, 0.2895, 0.2793**.

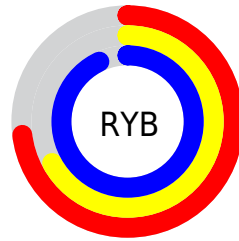
Distribution



Red (73%)

Green (67%)

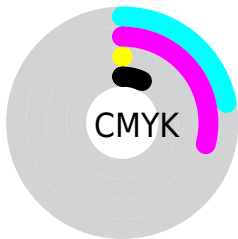
Blue (93%)



Red (73%)

Yellow (67%)

Blue (93%)

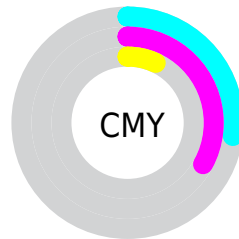


Cyan (22%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3616, 0.2744, 0.2487 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 45.3616, 0.2744, 0.2487 by changing the saturation by 10% instead.

■ 45.3616, 0.2744,
0.2487

■ 45.3616, 0.2744,
0.2487

■ 368.2361, 0.2938,
0.2868

■ 31.7423, 0.2695,
0.2399

■ 83.2628, 0.2815,
0.2620

■ 21.1648, 0.2633,
0.2289

■ 108.3135, 0.2841,
0.2672

■ 13.2445, 0.2552,
0.2150

■ 137.9434, 0.2864,
0.2716

■ 7.5971, 0.2439,
0.1968

■ 172.5371, 0.2883,
0.2755

■ 3.8383, 0.2278,
0.1724

■ 212.4787, 0.2900,
0.2788

■ 1.5835, 0.2031,
0.1383

■ 258.1529, 0.2914,


■ 0.3464, 0.1657,


0.2818

0.0711


309.9439, 0.2927,
0.2844

 0.0000, 0.0000,
0.0000

 45.3616, 0.2744,
0.2487

 45.3616, 0.2744,
0.2487


 35.0965, 0.2577,
0.2161


 57.5358, 0.2895,
0.2793


 26.6370, 0.2397,
0.1828


 71.7044, 0.3028,
0.3073

 19.8779, 0.2212,
0.1502

 87.9545, 0.3143,
0.3325

 14.7007, 0.2032,
0.1206

 98.9514, 0.3226,
0.3454

 10.9714, 0.1868,
0.0961

■ 8.5327, 0.1732,
0.0783

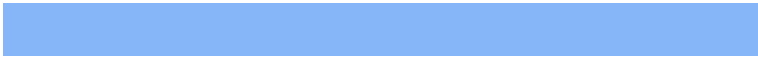
■ 7.1613, 0.1630,
0.0677

■ 7.0091, 0.1618,
0.0665

Harmonies

Analogous

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



45.3616, 0.2364, 0.2468



45.3616, 0.2744, 0.2487



45.3616, 0.3261, 0.2681

Triad

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



45.3616, 0.2744, 0.2487



45.3616, 0.4161, 0.3820



45.3616, 0.2488, 0.3560

Complementary

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



45.3616, 0.2744, 0.2487



79.5667, 0.3443, 0.4032

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.



45.3616, 0.2931, 0.4035



45.3616, 0.2744, 0.2487



45.3616, 0.3906, 0.4142

Square

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



45.3616, 0.2744, 0.2487



45.3616, 0.4120, 0.3412



45.3616, 0.3451, 0.4248



45.3616, 0.2225, 0.3037

Rectangle

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



45.3616, 0.2744, 0.2487



45.3616, 0.3617, 0.2888



45.3616, 0.3451, 0.4248



45.3616, 0.2619, 0.3735

Sweetspot

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



45.3634, 0.2744, 0.2487



83.0418, 0.3022, 0.3060



67.0232, 0.2694, 0.3104



17.2278, 0.3003, 0.3021



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.



45.3634, 0.2744, 0.2487



46.1121, 0.2653, 0.2307



50.1194, 0.3012, 0.2547



15.4079, 0.3016, 0.3048



3.9602, 0.1630, 0.0672



0.3734, 0.1756, 0.0741

Inverse Universe

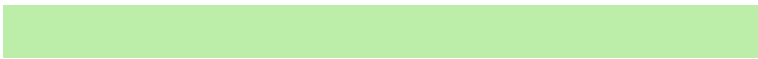
The Inverse Universe completely reimagines the original color for something new.



52.2024, 0.3290, 0.2735



55.3533, 0.3331, 0.2625



74.7444, 0.3207, 0.4091



15.9642, 0.3174, 0.3111



12.0485, 0.3909, 0.1927



1.0175, 0.3797, 0.1866

Previews

White Background



This preview shows how the Yxy color 45.3616, 0.2744, 0.2487 looks on a white background.

Color Contrast Check

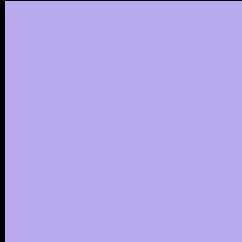
Large Text (above 18pt) WCAG AA × Fail

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 45.3616, 0.2744, 0.2487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

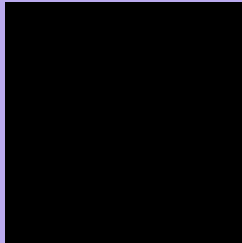
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3616, 0.2744, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 45.3616, 0.2744, 0.2487.



This preview shows how white text looks on a background with the Yxy color 45.3616, 0.2744, 0.2487.

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

45.3616, 0.2744, 0.2487

Protanopia

45.3889, 0.2537, 0.2482

Deuteranopia

45.6657, 0.2613, 0.2553



Tritanopia

45.5554, 0.3009, 0.3108

Trichromacy



Original Color

45.3616, 0.2744, 0.2487

Protanomaly

45.0580, 0.2605, 0.2478

Deuteranomaly

45.2708, 0.2658, 0.2525

Tritanomaly

45.4779, 0.2913, 0.2874

Monochromacy



Original Color

45.3616, 0.2744, 0.2487

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3429, 0.2982, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3616, 0.2744, 0.2487 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(186, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 238)  
}
```

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(186, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.3616, 0.2744, 0.2487 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(186, 170, 238) }
```

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

```
.border{ border-color:rgb(186, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 170, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 170, 238); box-shadow:4px 4px 4px 4px rgb(186, 170, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3616, 0.2744, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 170, 238) }
```

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

```
.background{ background-color: rgb(186,  
170, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor