

Converting Colors

$Y_{xy}(47.8075, 0.2768, 0.2496)$

Have a look what the booklet for
Yxy(47.8075, 0.2768, 0.2496)
contains.

Yxy(48.0204, 0.2774, 0.2506)	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(48.0204, 0.2774, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	C1AEF2
RGB	193, 174, 242
RGB Percent	76%, 68%, 95%
CMY	0.2430, 0.3176, 0.0511
CMYK	0.20, 0.28, 0.00, 0.05
HSL	257°, 72%, 82%
HSV	257°, 28%, 95%
XYZ	53.1559, 48.0204, 90.4454
YIQ	187.4330, -10.5040, 25.1760

Conversions

Conversions Part 2

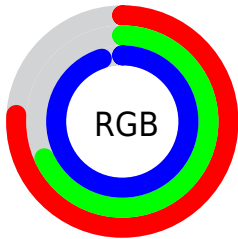
Format	Color
R _Y B	193, 174, 242
Decimal	12693234
CIE Lab	74.84, 20.40, -31.39
CIE LCh	75, 37.438, 303.026
Yxy	48.0204, 0.2774, 0.2506
Android (android.graphics.Color)	4290883314 (0xFFC1AEF2)
YUV	187.4330, 26.9015, 4.8823
Hunter-Lab	69.2968, 15.6537, -28.8770

Details

The Yxy color **48.0204, 0.2774, 0.2506** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **82.2200, 0.3417, 0.4025**, and the grayscale version is **49.8031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1376, 0.3105, 0.3046**, and **22.8675, 0.2666, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **37.3430, 0.2616, 0.2185**, and if you desaturate by 10%, it is **60.6554, 0.2915, 0.2808**.

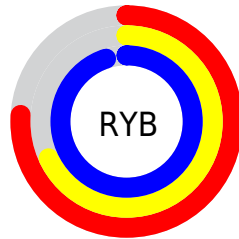
Distribution



Red (76%)

Green (68%)

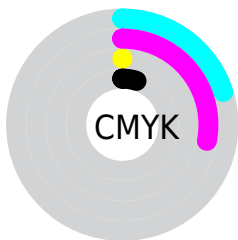
Blue (95%)



Red (76%)

Yellow (68%)

Blue (95%)

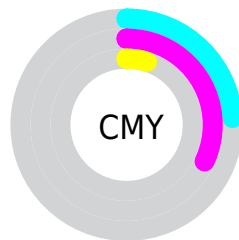


Cyan (20%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (24%)


Magenta (32%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0204, 0.2774, 0.2506 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 48.0204, 0.2774, 0.2506 by changing the saturation by 10% instead.

 48.0204, 0.2774,
0.2506

 48.0204, 0.2774,
0.2506


378.8730, 0.2952,
0.2874

 33.8430, 0.2730,
0.2421


 87.2348, 0.2839,
0.2634

 22.7730, 0.2673,
0.2317


113.0406, 0.2863,
0.2684

 14.4260, 0.2599,
0.2184


143.4913, 0.2884,
0.2727

 8.4176, 0.2498,
0.2012

178.9714, 0.2901,
0.2764

 4.3633, 0.2354,
0.1782

219.8652, 0.2917,
0.2797

 1.8788, 0.2133,
0.1462

266.5572, 0.2930,

 0.5356, 0.1785,

0.2826

0.0939

319.4316, 0.2942,
0.2851

0.0000, 0.0000,
0.0000

48.0204, 0.2774,
0.2506

48.0204, 0.2774,
0.2506

37.3430, 0.2616,
0.2185

60.6554, 0.2915,
0.2808

28.5177, 0.2446,
0.1857

75.3347, 0.3039,
0.3086

21.4375, 0.2269,
0.1536

92.1468, 0.3146,
0.3336

15.9821, 0.2093,
0.1243

99.1889, 0.3203,
0.3415

12.0152, 0.1931,
0.0999

■ 9.3772, 0.1791,
0.0818

■ 7.8511, 0.1682,
0.0707

■ 7.6281, 0.1664,
0.0690

Harmonies

Analogous

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



48.0204, 0.2392, 0.2479



48.0204, 0.2774, 0.2506



48.0204, 0.3285, 0.2704

Triad

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



48.0204, 0.2774, 0.2506



48.0204, 0.4136, 0.3831



48.0204, 0.2482, 0.3529

Complementary

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



48.0204, 0.2774, 0.2506



82.2200, 0.3417, 0.4025

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.



48.0204, 0.2911, 0.4001



48.0204, 0.2774, 0.2506



48.0204, 0.3874, 0.4138

Square

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



48.0204, 0.2774, 0.2506



48.0204, 0.4111, 0.3431



48.0204, 0.3421, 0.4226



48.0204, 0.2233, 0.3019

Rectangle

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



48.0204, 0.2774, 0.2506



48.0204, 0.3633, 0.2912



48.0204, 0.3421, 0.4226



48.0204, 0.2609, 0.3702

Sweetspot

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



48.0223, 0.2774, 0.2506



84.9875, 0.3040, 0.3087



68.6348, 0.2697, 0.3081



17.6238, 0.3022, 0.3047



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.



48.0223, 0.2774, 0.2506



46.6170, 0.2681, 0.2315



52.8678, 0.3032, 0.2563



15.4429, 0.3023, 0.3049



4.1580, 0.1678, 0.0698



0.3941, 0.1813, 0.0773

Inverse Universe

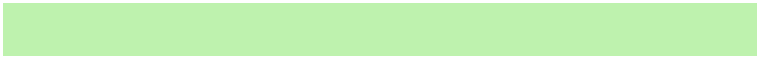
The Inverse Universe completely reimagines the original color for something new.



54.4687, 0.3313, 0.2774



55.1305, 0.3363, 0.2661



77.4702, 0.3191, 0.4080



15.9515, 0.3181, 0.3121



11.8126, 0.4071, 0.2016



0.9996, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 48.0204, 0.2774, 0.2506 looks on a white background.

Color Contrast Check

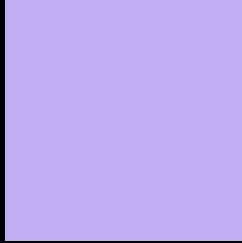
Large Text (above 18pt) WCAG AA × Fail

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 48.0204, 0.2774, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

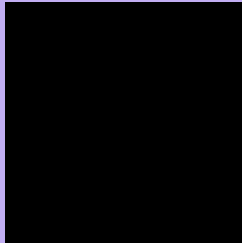
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0204, 0.2774, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 48.0204, 0.2774, 0.2506.



This preview shows how white text looks on a background with the Yxy color 48.0204, 0.2774, 0.2506.

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

48.0204, 0.2774, 0.2506

Protanopia

48.2325, 0.2549, 0.2500

Deuteranopia

48.1693, 0.2635, 0.2569



Tritanopia

48.2125, 0.3036, 0.3113

Trichromacy



Original Color

48.0204, 0.2774, 0.2506

Protanomaly

48.0080, 0.2623, 0.2497

Deuteranomaly

47.8950, 0.2688, 0.2543

Tritanomaly

48.1380, 0.2941, 0.2885

Monochromacy



Original Color

48.0204, 0.2774, 0.2506

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7797, 0.2993, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0204, 0.2774, 0.2506 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(193, 174, 242)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 242)  
}
```

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(193, 174, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 242) }
```

Border

The CSS property to change the border of an element to Yxy 48.0204, 0.2774, 0.2506 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(193, 174, 242) }
```

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

```
.border{ border-color:rgb(193, 174, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 174, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 174, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 174, 242);  
box-shadow:4px 4px 4px 4px rgb(193, 174,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0204, 0.2774, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 242) }
```

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

```
.background{ background-color: rgb(193,  
174, 242) }
```

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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