

Converting Colors

$Y_{xy}(47.5232, 0.2612, 0.2734)$

Have a look what the booklet for
Yxy(47.5232, 0.2612, 0.2734)
contains.

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Color

Yxy(47.5232, 0.2612, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	9DB9E5
RGB	157, 185, 229
RGB Percent	62%, 73%, 90%
CMY	0.3841, 0.2745, 0.1020
CMYK	0.31, 0.19, 0.00, 0.10
HSL	217°, 58%, 76%
HSV	217°, 31%, 90%
XYZ	45.4026, 47.5232, 80.8972
YIQ	181.6440, -30.8120, 7.7480

Conversions

Conversions Part 2

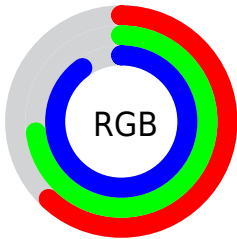
Format	Color
RYB	157, 177, 229
Decimal	10336741
CIELab	74.52, 0.67, -25.07
CIELCh	75, 25.077, 271.532
Yxy	47.5232, 0.2612, 0.2734
Android (android.graphics.Color)	4288526821 (0xFF9DB9E5)
YUV	181.6440, 23.3465, -21.6128
Hunter-Lab	68.9371, -3.0782, -21.3205

Details

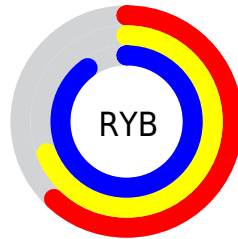
The Yxy color **47.5232, 0.2612, 0.2734** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8886, 0.3689, 0.3788**, and the grayscale version is **46.4647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2767, 0.2871, 0.3144**, and **22.4627, 0.2480, 0.2591** is the 20% darker color. If you saturate the color by 10%, you get **39.8588, 0.2437, 0.2520**, and if you desaturate by 10%, it is **56.2002, 0.2784, 0.2931**.

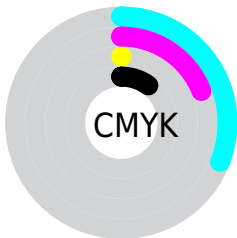
Distribution



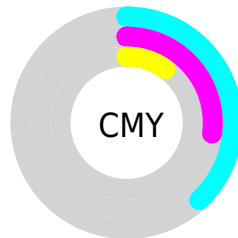
- Red (62%)
- Green (73%)
- Blue (90%)



- Red (62%)
- Yellow (69%)
- Blue (90%)



- Cyan (31%)
- Magenta (19%)
- Yellow (0%)
- Black (10%)





- Cyan (38%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5232, 0.2612, 0.2734 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 47.5232, 0.2612, 0.2734 by changing the saturation by 10% instead.


 47.5232, 0.2612,
0.2734

 47.5232, 0.2612,
0.2734


376.8991, 0.2865,
0.3006

 33.4495, 0.2551,
0.2668


 86.4941, 0.2702,
0.2831

 22.4710, 0.2474,
0.2586


 112.1600, 0.2737,
0.2868

 14.2034, 0.2374,
0.2478


142.4588, 0.2766,
0.2900

 8.2623, 0.2239,
0.2334


177.7748, 0.2791,
0.2927

 4.2632, 0.2049,
0.2131

218.4924, 0.2813,
0.2951

 1.8219, 0.1765,
0.1829

264.9961, 0.2832,

 0.5007, 0.1231,

0.2971

0.1252

317.6702, 0.2849,
0.2990

0.0000, 0.0000,
0.0000

47.5232, 0.2612,
0.2734

47.5232, 0.2612,
0.2734

39.8588, 0.2437,
0.2520

56.2002, 0.2784,
0.2931

33.1607, 0.2265,
0.2291

65.9225, 0.2949,
0.3110

27.3867, 0.2101,
0.2054

76.7280, 0.3106,
0.3269

22.4891, 0.1953,
0.1816

88.6508, 0.3252,
0.3410

18.4144, 0.1828,
0.1585

98.4363, 0.3280,
0.3542

■ 15.1014, 0.1731,
0.1370

■ 12.7899, 0.1668,
0.1205

Harmonies

Analogous

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



47.5232, 0.2485, 0.2870



47.5232, 0.2612, 0.2734



47.5232, 0.2876, 0.2740

Triad

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



47.5232, 0.2612, 0.2734



47.5232, 0.3778, 0.3387



47.5232, 0.3006, 0.3766

Complementary

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



47.5232, 0.2612, 0.2734



60.8886, 0.3689, 0.3788

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.



47.5232, 0.3354, 0.3910



47.5232, 0.2612, 0.2734



47.5232, 0.3811, 0.3663

Square

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



47.5232, 0.2612, 0.2734



47.5232, 0.3557, 0.3105



47.5232, 0.3652, 0.3862



47.5232, 0.2703, 0.3470

Rectangle

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



47.5232, 0.2612, 0.2734



47.5232, 0.3102, 0.2817



47.5232, 0.3652, 0.3862



47.5232, 0.3122, 0.3834

Sweetspot

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



47.5251, 0.2612, 0.2734



87.2730, 0.2987, 0.3149



67.3846, 0.2835, 0.3647



18.2628, 0.2964, 0.3125



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.



47.5251, 0.2612, 0.2734



53.8591, 0.2493, 0.2590



37.7089, 0.2623, 0.2379



14.8005, 0.2981, 0.3142



7.5309, 0.1676, 0.1233



0.7326, 0.1757, 0.1524

Inverse Universe

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



44.2915, 0.3564, 0.2971



49.7213, 0.3699, 0.2900



73.9637, 0.3546, 0.4088



14.4602, 0.3232, 0.3199



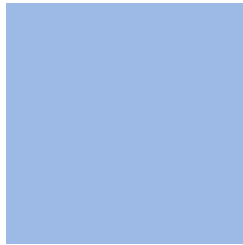
9.9580, 0.5419, 0.2759



0.7536, 0.5028, 0.2543

Previews

White Background



This preview shows how the Yxy color 47.5232, 0.2612, 0.2734 looks on a white background.

Color Contrast Check

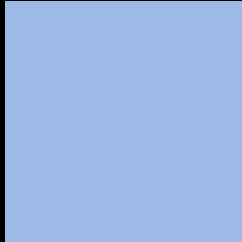
Large Text (above 18pt) WCAG AA × Fail

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 47.5232, 0.2612, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

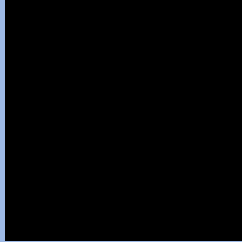
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

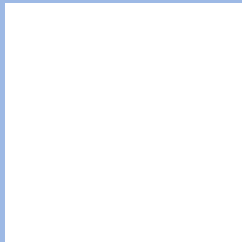
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.5232, 0.2612, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 47.5232, 0.2612, 0.2734.



This preview shows how white text looks on a background with the Yxy color 47.5232, 0.2612, 0.2734.

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

47.5232, 0.2612, 0.2734

Protanopia

47.3094, 0.2729, 0.2732

Deuteranopia

47.1835, 0.2731, 0.2667



Tritanopia

47.4302, 0.2738, 0.3089

Trichromacy



Original Color

47.5232, 0.2612, 0.2734

Protanomaly

47.2174, 0.2688, 0.2728

Deuteranomaly

47.1959, 0.2682, 0.2684

Tritanomaly

47.6406, 0.2694, 0.2962

Monochromacy



Original Color

47.5232, 0.2612, 0.2734

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8747, 0.2924, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5232, 0.2612, 0.2734 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(157, 185, 229)` looks like.

```
.text, #text, p{  
    color:rgb(157, 185, 229)  
}
```

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(157, 185, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 185, 229) }
```

Border

The CSS property to change the border of an element to Yxy 47.5232, 0.2612, 0.2734 is called "border". The border property can be set on classes, ids or directly on the HTML element.

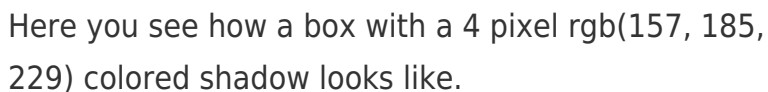
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 185, 229) }
```

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

```
.border{ border-color:rgb(157, 185, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 185, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 185, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 185, 229); box-shadow:4px 4px 4px 4px rgb(157, 185, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5232, 0.2612, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 185, 229) }
```

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

```
.background{ background-color: rgb(157,  
185, 229) }
```

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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