

Converting Colors

$Yxy(47.2257, 0.2721, 0.2990)$

Have a look what the booklet for
Yxy(47.2257, 0.2721, 0.2990)
contains.

Yxy(47.1624, 0.2718, 0.2987)	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(47.1624, 0.2718, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	9BBBD2
RGB	155, 187, 210
RGB Percent	61%, 73%, 82%
CMY	0.3923, 0.2666, 0.1765
CMYK	0.26, 0.11, 0.00, 0.18
HSL	205°, 38%, 72%
HSV	205°, 26%, 82%
XYZ	42.9151, 47.1624, 67.8147
YIQ	180.0540, -26.4550, 0.3690

Conversions

Conversions Part 2

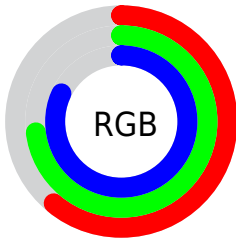
Format	Color
R _{YB}	155, 175, 210
Decimal	10206162
CIE Lab	74.29, -5.61, -15.12
CIE LCh	74, 16.128, 249.637
Yxy	47.1624, 0.2718, 0.2987
Android (android.graphics.Color)	4288396242 (0xFF9BBBD2)
YUV	180.0540, 14.7634, -21.9724
Hunter-Lab	68.6749, -8.6360, -10.4749

Details

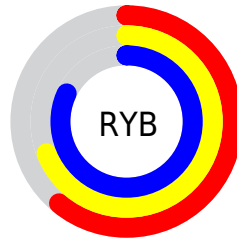
The Yxy color **47.1624, 0.2718, 0.2987** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8886, 0.3613, 0.3574**, and the grayscale version is **45.5997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0228, 0.2854, 0.3164**, and **22.2753, 0.2599, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **41.6556, 0.2561, 0.2851**, and if you desaturate by 10%, it is **53.2617, 0.2876, 0.3112**.

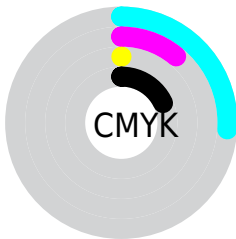
Distribution



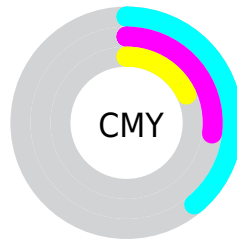
- Red (61%)
- Green (73%)
- Blue (82%)



- Red (61%)
- Yellow (69%)
- Blue (82%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1624, 0.2718, 0.2987 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 47.1624, 0.2718, 0.2987 by changing the saturation by 10% instead.

■ 47.1624, 0.2718,
0.2987

■ 47.1624, 0.2718,
0.2987

375.4624, 0.2919,
0.3139

■ 33.1641, 0.2669,
0.2949

■ 85.9560, 0.2790,
0.3042

■ 22.2522, 0.2606,
0.2900

■ 111.5200, 0.2818,
0.3063

■ 14.0423, 0.2524,
0.2836

141.7081, 0.2841,
0.3081

■ 8.1501, 0.2412,
0.2746

176.9045, 0.2861,
0.3096

■ 4.1911, 0.2251,
0.2613

217.4938, 0.2879,
0.3109

■ 1.7810, 0.1999,
0.2399

263.8603, 0.2894,

■ 0.4753, 0.1258,

0.3120

0.1899

316.3883, 0.2907,
0.3130

0.0000, 0.0000,
0.0000

47.1624, 0.2718,
0.2987

47.1624, 0.2718,
0.2987

41.6556, 0.2561,
0.2851

53.2617, 0.2876,
0.3112

36.7128, 0.2410,
0.2704

59.9689, 0.3032,
0.3225

32.3113, 0.2267,
0.2549

67.3062, 0.3184,
0.3327

28.4245, 0.2138,
0.2389

75.2924, 0.3330,
0.3418

25.0223, 0.2027,
0.2226

82.9922, 0.3434,
0.3500

■ 22.0708, 0.1937,
0.2064

■ 88.0223, 0.3419,
0.3586

■ 19.5278, 0.1869,
0.1907

■ 93.3019, 0.3404,
0.3669

■ 18.6434, 0.1847,
0.1848

■ 97.4332, 0.3394,
0.3731

Harmonies

Analogous

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



47.1624, 0.2710, 0.3143



47.1624, 0.2718, 0.2987



47.1624, 0.2831, 0.2917

Triad

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



47.1624, 0.2718, 0.2987



47.1624, 0.3452, 0.3221



47.1624, 0.3218, 0.3669

Complementary

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



47.1624, 0.2718, 0.2987



47.8886, 0.3613, 0.3574

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.



47.1624, 0.3423, 0.3678



47.1624, 0.2718, 0.2987



47.1624, 0.3563, 0.3411

Square

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



47.1624, 0.2718, 0.2987



47.1624, 0.3252, 0.3052



47.1624, 0.3552, 0.3580



47.1624, 0.2994, 0.3547

Rectangle

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



47.1624, 0.2718, 0.2987



47.1624, 0.2953, 0.2924



47.1624, 0.3552, 0.3580



47.1624, 0.3292, 0.3685

Sweetspot

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



47.1643, 0.2718, 0.2987



91.0177, 0.3003, 0.3205



56.2692, 0.2944, 0.3716



19.1353, 0.2979, 0.3188



0.0000, 0.0000, 0.0000



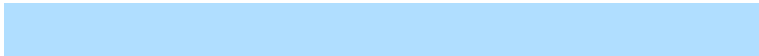
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1643, 0.2718, 0.2987



68.6776, 0.2637, 0.2918



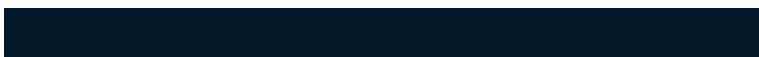
36.6035, 0.2683, 0.2609



12.5449, 0.2983, 0.3191



11.5746, 0.1853, 0.1871



0.8021, 0.1933, 0.2158

Inverse Universe

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



40.7205, 0.3367, 0.2901



57.5641, 0.3428, 0.2821



59.9289, 0.3533, 0.3890



11.9220, 0.3201, 0.3155



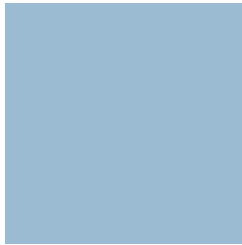
9.2397, 0.4601, 0.2308



0.5323, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 47.1624, 0.2718, 0.2987 looks on a white background.

Color Contrast Check

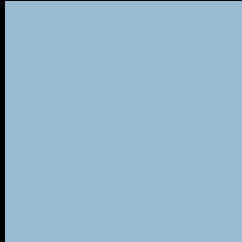
Large Text (above 18pt) WCAG AA × Fail

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 47.1624, 0.2718, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

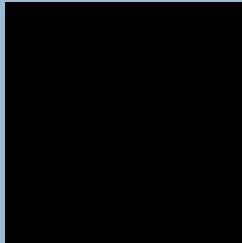
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

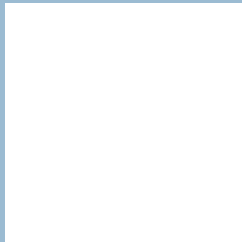
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1624, 0.2718, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 47.1624, 0.2718, 0.2987.



This preview shows how white text looks on a background with the Yxy color 47.1624, 0.2718, 0.2987.

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

47.1624, 0.2718, 0.2987

Protanopia

46.9690, 0.2912, 0.2972

Deuteranopia

47.0334, 0.2932, 0.2869



Tritanopia

47.1483, 0.2758, 0.3089

Trichromacy



Original Color

47.1624, 0.2718, 0.2987

Protanomaly

46.9180, 0.2844, 0.2980

Deuteranomaly

46.8649, 0.2853, 0.2909

Tritanomaly

47.2927, 0.2738, 0.3051

Monochromacy



Original Color

47.1624, 0.2718, 0.2987

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2865, 0.2967, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1624, 0.2718, 0.2987 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(155, 187, 210)` looks like.

```
.text, #text, p{  
    color:rgb(155, 187, 210)  
}
```

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(155, 187, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 187, 210) }
```

Border

The CSS property to change the border of an element to Yxy 47.1624, 0.2718, 0.2987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

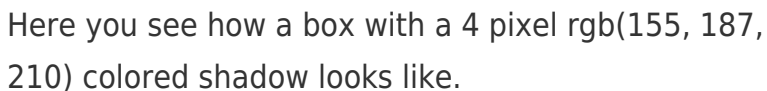
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 187, 210) }
```

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

```
.border{ border-color:rgb(155, 187, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 187, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 187, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 187, 210);  
box-shadow:4px 4px 4px 4px rgb(155, 187,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1624, 0.2718, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 187, 210) }
```

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

```
.background{ background-color: rgb(155,  
187, 210) }
```

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