

Converting Colors

$Yxy(47.6032, 0.2688, 0.2866)$

Have a look what the booklet for
Yxy(47.6032, 0.2688, 0.2866)
contains.

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Color

Yxy(47.6032, 0.2688, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	9FBADB
RGB	159, 186, 219
RGB Percent	62%, 73%, 86%
CMY	0.3763, 0.2706, 0.1412
CMYK	0.27, 0.15, 0.00, 0.14
HSL	213°, 45%, 74%
HSV	213°, 27%, 86%
XYZ	44.6467, 47.6032, 73.8464
YIQ	181.6890, -26.6850, 4.5390

Conversions

Conversions Part 2

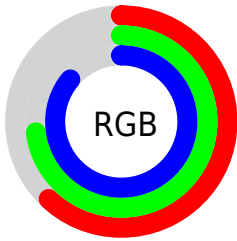
Format	Color
RYB	159, 178, 219
Decimal	10468059
CIELab	74.57, -1.73, -19.56
CIELCh	75, 19.634, 264.946
Yxy	47.6032, 0.2688, 0.2866
Android (android.graphics.Color)	4288658139 (0xFF9FBADB)
YUV	181.6890, 18.3943, -19.8983
Hunter-Lab	68.9951, -5.2341, -15.1624

Details

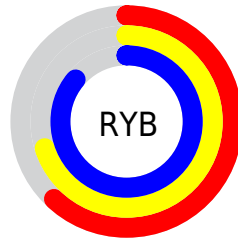
The Yxy color **47.6032, 0.2688, 0.2866** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.2746, 0.3616, 0.3679**, and the grayscale version is **46.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1713, 0.2883, 0.3155**, and **22.5196, 0.2568, 0.2749** is the 20% darker color. If you saturate the color by 10%, you get **40.6952, 0.2520, 0.2681**, and if you desaturate by 10%, it is **55.3399, 0.2854, 0.3035**.

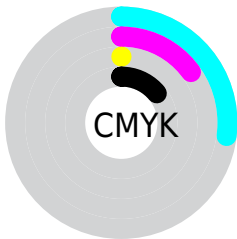
Distribution



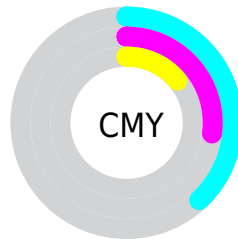
- Red (62%)
- Green (73%)
- Blue (86%)



- Red (62%)
- Yellow (70%)
- Blue (86%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)





- Cyan (38%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6032, 0.2688, 0.2866 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 47.6032, 0.2688, 0.2866 by changing the saturation by 10% instead.


 47.6032, 0.2688,
0.2866


 47.6032, 0.2688,
0.2866


377.2171, 0.2904,
0.3076

 33.5128, 0.2635,
0.2815


 86.6133, 0.2765,
0.2941

 22.5195, 0.2569,
0.2749


 112.3018, 0.2795,
0.2970

 14.2391, 0.2482,
0.2664


142.6250, 0.2820,
0.2994

 8.2872, 0.2364,
0.2547

177.9675, 0.2841,
0.3015

 4.2793, 0.2195,
0.2379

218.7135, 0.2860,
0.3033

 1.8310, 0.1936,
0.2119

265.2476, 0.2876,

 0.5064, 0.1366,

0.3049

0.1576

317.9540, 0.2891,
0.3063

0.0000, 0.0000,
0.0000

47.6032, 0.2688,
0.2866

47.6032, 0.2688,
0.2866

40.6952, 0.2520,
0.2681

55.3399, 0.2854,
0.3035

34.5787, 0.2353,
0.2482

63.9291, 0.3014,
0.3188

29.2219, 0.2194,
0.2272

73.4007, 0.3166,
0.3324

24.5881, 0.2048,
0.2057

83.7811, 0.3310,
0.3445

20.6365, 0.1920,
0.1842

92.4388, 0.3351,
0.3559

■ 17.3211, 0.1817,
0.1636

■ 97.8940, 0.3340,
0.3641

■ 14.5834, 0.1739,
0.1443

■ 13.9400, 0.1721,
0.1395

Harmonies

Analogous

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



47.6032, 0.2613, 0.3002



47.6032, 0.2688, 0.2866



47.6032, 0.2878, 0.2843

Triad

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



47.6032, 0.2688, 0.2866



47.6032, 0.3608, 0.3321



47.6032, 0.3095, 0.3694

Complementary

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



47.6032, 0.2688, 0.2866



55.2746, 0.3616, 0.3679

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.



47.6032, 0.3365, 0.3776



47.6032, 0.2688, 0.2866



47.6032, 0.3669, 0.3544

Square

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



47.6032, 0.2688, 0.2866



47.6032, 0.3412, 0.3100



47.6032, 0.3578, 0.3715



47.6032, 0.2841, 0.3487

Rectangle

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



47.6032, 0.2688, 0.2866



47.6032, 0.3049, 0.2889



47.6032, 0.3578, 0.3715



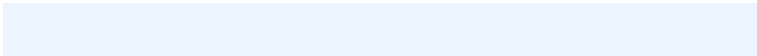
47.6032, 0.3187, 0.3737

Sweetspot

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



47.6051, 0.2688, 0.2866



89.3797, 0.3003, 0.3178



61.8392, 0.2888, 0.3633



18.7229, 0.2979, 0.3156



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.



47.6051, 0.2688, 0.2866



61.3116, 0.2589, 0.2759



37.6066, 0.2676, 0.2509



13.5766, 0.2982, 0.3158



8.4786, 0.1729, 0.1422



0.7197, 0.1816, 0.1736

Inverse Universe

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



43.4117, 0.3456, 0.2972



54.9174, 0.3552, 0.2900



67.7610, 0.3516, 0.3976



13.1484, 0.3222, 0.3185



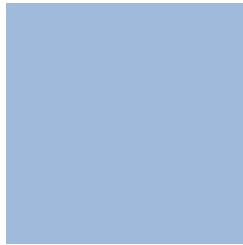
9.4797, 0.5161, 0.2617



0.6313, 0.4763, 0.2397

Previews

White Background



This preview shows how the Yxy color 47.6032, 0.2688, 0.2866 looks on a white background.

Color Contrast Check

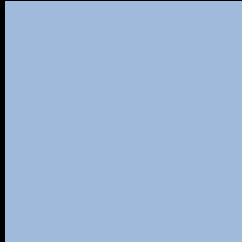
Large Text (above 18pt) WCAG AA × Fail

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 47.6032, 0.2688, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

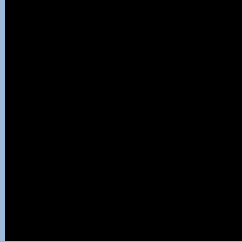
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

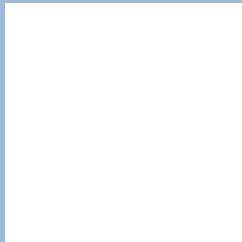
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6032, 0.2688, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 47.6032, 0.2688, 0.2866.



This preview shows how white text looks on a background with the Yxy color 47.6032, 0.2688, 0.2866.

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

47.6032, 0.2688, 0.2866

Protanopia

47.6439, 0.2827, 0.2864

Deuteranopia

47.3526, 0.2843, 0.2786



Tritanopia

47.8227, 0.2767, 0.3091

Trichromacy



Original Color

47.6032, 0.2688, 0.2866

Protanomaly

47.4228, 0.2776, 0.2860

Deuteranomaly

47.6219, 0.2785, 0.2815

Tritanomaly

47.7380, 0.2740, 0.3014

Monochromacy



Original Color

47.6032, 0.2688, 0.2866

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8058, 0.2962, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6032, 0.2688, 0.2866 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(159, 186, 219)` looks like.

```
.text, #text, p{  
    color:rgb(159, 186, 219)  
}
```

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(159, 186, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 186, 219) }
```

Border

The CSS property to change the border of an element to Yxy 47.6032, 0.2688, 0.2866 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(159, 186, 219) }
```

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

```
.border{ border-color:rgb(159, 186, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 186, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 186, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 186, 219);  
box-shadow:4px 4px 4px 4px rgb(159, 186,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6032, 0.2688, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 186, 219) }
```

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

```
.background{ background-color: rgb(159,  
186, 219) }
```

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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