

Converting Colors

$Yxy(48.4946, 0.2711, 0.3012)$

Have a look what the booklet for
Yxy(48.4946, 0.2711, 0.3012)
contains.

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Color

Yxy(48.4986, 0.2716, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	9BBED3
RGB	155, 190, 211
RGB Percent	61%, 75%, 83%
CMY	0.3921, 0.2549, 0.1726
CMYK	0.27, 0.10, 0.00, 0.17
HSL	202°, 39%, 72%
HSV	202°, 27%, 83%
XYZ	43.6890, 48.4986, 68.6702
YIQ	181.9290, -27.6010, -0.8890

Conversions

Conversions Part 2

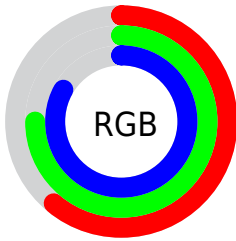
Format	Color
RYB	155, 177, 211
Decimal	10206931
CIELab	75.14, -6.96, -14.38
CIELCh	75, 15.975, 244.166
Yxy	48.4986, 0.2716, 0.3015
Android (android.graphics.Color)	4288397011 (0xFF9BBED3)
YUV	181.9290, 14.3320, -23.6167
Hunter-Lab	69.6409, -9.8904, -9.7149

Details

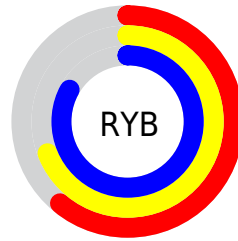
The Yxy color **48.4986, 0.2716, 0.3015** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2612, 0.3627, 0.3549**, and the grayscale version is **46.6725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8332, 0.2856, 0.3196**, and **23.1164, 0.2606, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **43.2586, 0.2563, 0.2893**, and if you desaturate by 10%, it is **54.2931, 0.2872, 0.3127**.

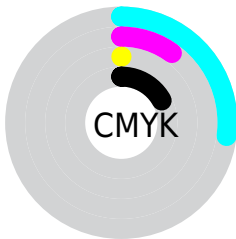
Distribution



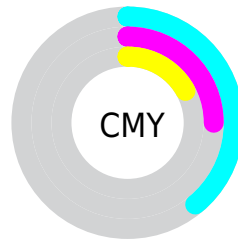
- Red (61%)
- Green (75%)
- Blue (83%)



- Red (61%)
- Yellow (69%)
- Blue (83%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (39%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4986, 0.2716, 0.3015 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 48.4986, 0.2716, 0.3015 by changing the saturation by 10% instead.

■ 48.4986, 0.2716,
0.3015

■ 48.4986, 0.2716,
0.3015

■ 380.7651, 0.2917,
0.3153

■ 34.2219, 0.2667,
0.2981

■ 87.9463, 0.2788,
0.3065

■ 23.0641, 0.2605,
0.2936

■ 113.8861, 0.2816,
0.3084

■ 14.6409, 0.2524,
0.2878

■ 144.4824, 0.2839,
0.3100

■ 8.5677, 0.2414,
0.2796

■ 180.1196, 0.2859,
0.3114

■ 4.4603, 0.2255,
0.2676

■ 221.1820, 0.2876,
0.3125

■ 1.9342, 0.2011,
0.2482

■ 268.0542, 0.2892,

■ 0.5688, 0.1360,

0.3136

0.2086

321.1204, 0.2905,
0.3145

0.0000, 0.0000,
0.0000

48.4986, 0.2716,
0.3015

48.4986, 0.2716,
0.3015

43.2586, 0.2563,
0.2893

54.2931, 0.2872,
0.3127

38.5453, 0.2416,
0.2762

60.6567, 0.3027,
0.3229

34.3370, 0.2280,
0.2624

67.6106, 0.3180,
0.3321

30.6079, 0.2158,
0.2482

75.1730, 0.3327,
0.3402

27.3288, 0.2054,
0.2336

82.3013, 0.3429,
0.3477

■ 24.4664, 0.1971,
0.2191

■ 86.7916, 0.3416,
0.3555

■ 21.9787, 0.1908,
0.2050

■ 91.4840, 0.3403,
0.3630

■ 21.1763, 0.1889,
0.2001

■ 96.3810, 0.3390,
0.3705

■ 97.4820, 0.3388,
0.3721

Harmonies

Analogous

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



48.4986, 0.2728, 0.3181



48.4986, 0.2716, 0.3015



48.4986, 0.2809, 0.2929

Triad

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



48.4986, 0.2716, 0.3015



48.4986, 0.3415, 0.3189



48.4986, 0.3256, 0.3672

Complementary

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



48.4986, 0.2716, 0.3015



47.2612, 0.3627, 0.3549

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.



48.4986, 0.3448, 0.3660



48.4986, 0.2716, 0.3015



48.4986, 0.3543, 0.3376

Square

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



48.4986, 0.2716, 0.3015



48.4986, 0.3209, 0.3031



48.4986, 0.3555, 0.3548



48.4986, 0.3035, 0.3571

Rectangle

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



48.4986, 0.2716, 0.3015



48.4986, 0.2921, 0.2924



48.4986, 0.3555, 0.3548



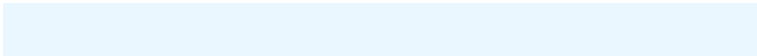
48.4986, 0.3327, 0.3681

Sweetspot

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



48.5005, 0.2716, 0.3015



91.5521, 0.3003, 0.3214



56.6637, 0.2960, 0.3760



19.2701, 0.2979, 0.3199



0.0000, 0.0000, 0.0000



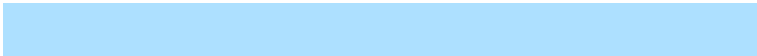
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5005, 0.2716, 0.3015



69.6840, 0.2626, 0.2945



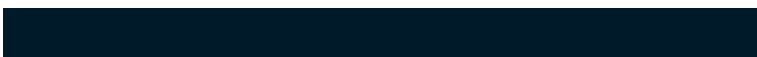
37.6832, 0.2680, 0.2638



12.6313, 0.2983, 0.3201



12.9856, 0.1895, 0.2022



0.8758, 0.1967, 0.2281

Inverse Universe

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



41.0128, 0.3348, 0.2868



56.7051, 0.3411, 0.2772



59.1684, 0.3546, 0.3867



11.9308, 0.3194, 0.3146



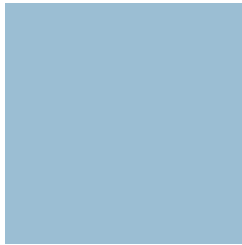
9.3822, 0.4428, 0.2213



0.5397, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 48.4986, 0.2716, 0.3015 looks on a white background.

Color Contrast Check

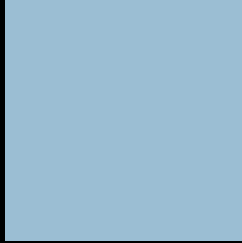
Large Text (above 18pt) WCAG AA × Fail

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 48.4986, 0.2716, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

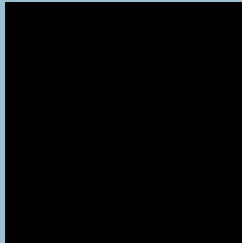
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4986, 0.2716, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 48.4986, 0.2716, 0.3015.



This preview shows how white text looks on a background with the Yxy color 48.4986, 0.2716, 0.3015.

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

48.4986, 0.2716, 0.3015

Protanopia

48.1957, 0.2930, 0.2988

Deuteranopia

48.2654, 0.2949, 0.2886



Tritanopia

48.5879, 0.2742, 0.3091

Trichromacy



Original Color

48.4986, 0.2716, 0.3015

Protanomaly

48.4425, 0.2854, 0.3009

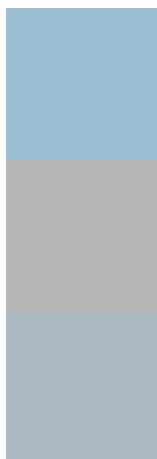
Deuteranomaly

48.3816, 0.2864, 0.2938

Tritanomaly

48.6857, 0.2729, 0.3066

Monochromacy



Original Color

48.4986, 0.2716, 0.3015

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3188, 0.2961, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4986, 0.2716, 0.3015 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, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(155, 190, 211)  
}
```

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, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 190, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.4986, 0.2716, 0.3015 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, 190, 211) }
```

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

```
.border{ border-color:rgb(155, 190, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(155, 190,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4986, 0.2716, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 190, 211) }
```

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

```
.background{ background-color: rgb(155,  
190, 211) }
```

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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