

Converting Colors

$Y_{xy}(48.8601, 0.2763, 0.2750)$

Have a look what the booklet for
Yxy(48.8601, 0.2763, 0.2750)
contains.

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Color

Yxy(48.7601, 0.2761, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	B1B7E3
RGB	177, 183, 227
RGB Percent	69%, 72%, 89%
CMY	0.3061, 0.2823, 0.1098
CMYK	0.22, 0.19, 0.00, 0.11
HSL	233°, 47%, 79%
HSV	233°, 22%, 89%
XYZ	48.9196, 48.7601, 79.5009
YIQ	186.2220, -17.7000, 12.4120

Conversions

Conversions Part 2

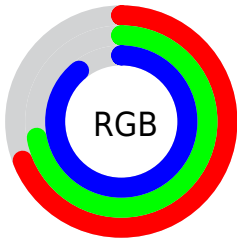
Format	Color
RYB	177, 182, 227
Decimal	11646947
CIELab	75.30, 7.16, -22.68
CIELCh	75, 23.780, 287.514
Yxy	48.7601, 0.2761, 0.2752
Android (android.graphics.Color)	4289837027 (0xFFB1B7E3)
YUV	186.2220, 20.1036, -8.0877
Hunter-Lab	69.8284, 2.8516, -18.6228

Details

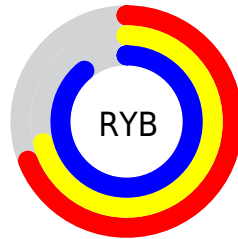
The Yxy color $48.7601, 0.2761, 0.2752$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $71.1716, 0.3472, 0.3776$, and the grayscale version is $49.1229, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.2766, 0.2993, 0.3129$, and $23.2289, 0.2661, 0.2603$ is the 20% darker color. If you saturate the color by 10%, you get $38.6618, 0.2570, 0.2462$, and if you desaturate by 10%, it is $60.4715, 0.2937, 0.3014$.

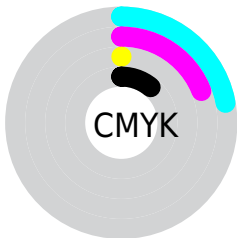
Distribution



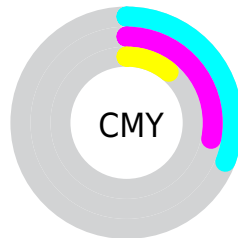
- Red (69%)
- Green (72%)
- Blue (89%)



- Red (69%)
- Yellow (71%)
- Blue (89%)



- Cyan (22%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7601, 0.2761, 0.2752 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 48.7601, 0.2761, 0.2752 by changing the saturation by 10% instead.

■ 48.7601, 0.2761,
0.2752

■ 48.7601, 0.2761,
0.2752

■ 381.7971, 0.2942,
0.3012

■ 34.4292, 0.2717,
0.2690

■ 88.3350, 0.2826,
0.2844

■ 23.2235, 0.2661,
0.2612

■ 114.3479, 0.2851,
0.2879

■ 14.7586, 0.2587,
0.2512

■ 145.0235, 0.2872,
0.2910

■ 8.6502, 0.2487,
0.2378

■ 180.7463, 0.2890,
0.2936

■ 4.5137, 0.2343,
0.2190

■ 221.9007, 0.2905,
0.2958

■ 1.9649, 0.2123,
0.1912

■ 268.8710, 0.2919,

■ 0.5869, 0.1756,

0.2978

0.1407

322.0417, 0.2931,
0.2996

0.0000, 0.0000,
0.0000

48.7601, 0.2761,
0.2752

48.7601, 0.2761,
0.2752

38.6618, 0.2570,
0.2462

60.4715, 0.2937,
0.3014

30.0998, 0.2368,
0.2150

73.8562, 0.3097,
0.3246

23.0003, 0.2165,
0.1826

88.9788, 0.3239,
0.3449

17.2807, 0.1970,
0.1507

98.3257, 0.3292,
0.3562

12.8502, 0.1797,
0.1212

■ 9.6069, 0.1660,
0.0962

■ 7.4329, 0.1566,
0.0776

■ 6.3553, 0.1522,
0.0678

Harmonies

Analogous

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



48.7601, 0.2567, 0.2810



48.7601, 0.2761, 0.2752



48.7601, 0.3060, 0.2824

Triad

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



48.7601, 0.2761, 0.2752



48.7601, 0.3779, 0.3527



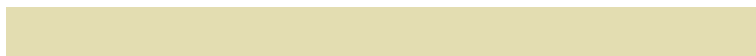
48.7601, 0.2851, 0.3600

Complementary

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



48.7601, 0.2761, 0.2752



71.1716, 0.3472, 0.3776

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.



48.7601, 0.3167, 0.3821



48.7601, 0.2761, 0.2752



48.7601, 0.3711, 0.3755

Square

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



48.7601, 0.2761, 0.2752



48.7601, 0.3661, 0.3256



48.7601, 0.3483, 0.3872



48.7601, 0.2617, 0.3290

Rectangle

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



48.7601, 0.2761, 0.2752



48.7601, 0.3283, 0.2935



48.7601, 0.3483, 0.3872



48.7601, 0.2951, 0.3689

Sweetspot

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



48.7621, 0.2761, 0.2752



87.1691, 0.3019, 0.3134



69.4597, 0.2838, 0.3368



18.4321, 0.3010, 0.3120



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.



48.7621, 0.2761, 0.2752



57.8189, 0.2684, 0.2636



48.6100, 0.2897, 0.2700



14.1676, 0.2980, 0.3077



3.7957, 0.1526, 0.0692



0.3734, 0.1580, 0.0888

Inverse Universe

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



51.1723, 0.3521, 0.3221



61.5460, 0.3618, 0.3208



71.6101, 0.3323, 0.3864



14.3963, 0.3273, 0.3262



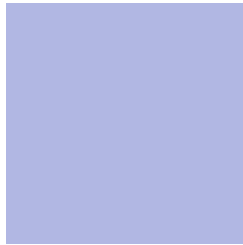
9.5809, 0.6246, 0.3214



0.7174, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 48.7601, 0.2761, 0.2752 looks on a white background.

Color Contrast Check

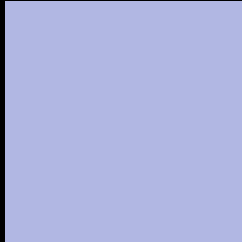
Large Text (above 18pt) WCAG AA × Fail

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 48.7601, 0.2761, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

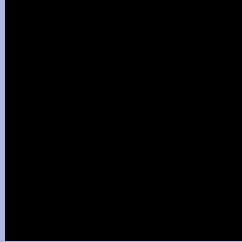
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7601, 0.2761, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 48.7601, 0.2761, 0.2752.



This preview shows how white text looks on a background with the Yxy color 48.7601, 0.2761, 0.2752.

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

48.7601, 0.2761, 0.2752

Protanopia

48.5270, 0.2747, 0.2750

Deuteranopia

48.5389, 0.2797, 0.2732



Tritanopia

48.5756, 0.2897, 0.3096

Trichromacy



Original Color

48.7601, 0.2761, 0.2752

Protanomaly

48.6431, 0.2754, 0.2751

Deuteranomaly

48.7052, 0.2783, 0.2743

Tritanomaly

48.8196, 0.2849, 0.2974

Monochromacy



Original Color

48.7601, 0.2761, 0.2752

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9822, 0.2990, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7601, 0.2761, 0.2752 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(177, 183, 227)` looks like.

```
.text, #text, p{  
    color:rgb(177, 183, 227)  
}
```

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(177, 183, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 183, 227) }
```

Border

The CSS property to change the border of an element to Yxy 48.7601, 0.2761, 0.2752 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(177, 183, 227) }
```

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

```
.border{ border-color:rgb(177, 183, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 183, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 183, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 183, 227);  
box-shadow:4px 4px 4px 4px rgb(177, 183,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7601, 0.2761, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 183, 227) }
```

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

```
.background{ background-color: rgb(177,  
183, 227) }
```

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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