

Converting Colors

$Yxy(49.2020, 0.2789, 0.2833)$

Have a look what the booklet for
Yxy(49.2020, 0.2789, 0.2833)
contains.

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Color

Yxy(49.2020, 0.2789, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	B0B9DE
RGB	176, 185, 222
RGB Percent	69%, 73%, 87%
CMY	0.3097, 0.2745, 0.1295
CMYK	0.21, 0.17, 0.00, 0.13
HSL	228°, 41%, 78%
HSV	228°, 21%, 87%
XYZ	48.4378, 49.2020, 76.0347
YIQ	186.5270, -17.2410, 9.5990

Conversions

Conversions Part 2

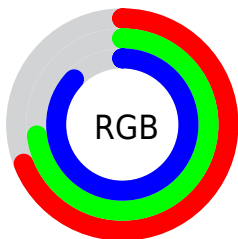
Format	Color
R_{YB}	176, 184, 222
Decimal	11581918
CIE _{Lab}	75.58, 4.65, -19.55
CIE _{LCh}	76, 20.093, 283.385
Yxy	49.2020, 0.2789, 0.2833
Android (android.graphics.Color)	4289771998 (0xFFB0B9DE)
YUV	186.5270, 17.4882, -9.2322
Hunter-Lab	70.1441, 0.5104, -15.1682

Details

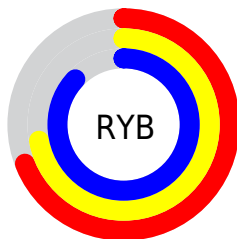
The Yxy color $49.2020, 0.2789, 0.2833$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $66.2440, 0.3457, 0.3709$, and the grayscale version is $49.3228, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.2864, 0.2987, 0.3149$, and $23.5035, 0.2696, 0.2709$ is the 20% darker color. If you saturate the color by 10%, you get $39.8162, 0.2605, 0.2572$, and if you desaturate by 10%, it is $59.9533, 0.2960, 0.3068$.

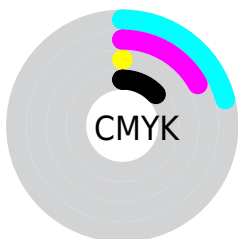
Distribution



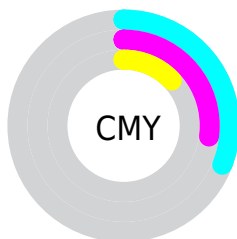
- Red (69%)
- Green (73%)
- Blue (87%)



- Red (69%)
- Yellow (72%)
- Blue (87%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2020, 0.2789, 0.2833 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 49.2020, 0.2789, 0.2833 by changing the saturation by 10% instead.

■ 49.2020, 0.2789,
0.2833

■ 49.2020, 0.2789,
0.2833

■ 383.5370, 0.2956,
0.3055

■ 34.7797, 0.2748,
0.2780

■ 88.9914, 0.2849,
0.2912

■ 23.4933, 0.2697,
0.2713

■ 115.1273, 0.2872,
0.2942

■ 14.9581, 0.2629,
0.2625

■ 145.9366, 0.2891,
0.2968

■ 8.7900, 0.2536,
0.2508

■ 181.8036, 0.2908,
0.2990

■ 4.6045, 0.2403,
0.2341

■ 223.1128, 0.2922,
0.3010

■ 2.0171, 0.2197,
0.2090

■ 270.2485, 0.2935,

■ 0.6174, 0.1841,

0.3027

0.1623

323.5951, 0.2946,
0.3042

0.0000, 0.0000,
0.0000

49.2020, 0.2789,
0.2833

49.2020, 0.2789,
0.2833

39.8162, 0.2605,
0.2572

59.9533, 0.2960,
0.3068

31.7346, 0.2412,
0.2289

72.1159, 0.3117,
0.3276

24.9002, 0.2216,
0.1991

85.7412, 0.3258,
0.3459

19.2493, 0.2028,
0.1689

98.0527, 0.3322,
0.3612

14.7123, 0.1857,
0.1399

■ 11.2121, 0.1715,
0.1139

■ 8.6607, 0.1611,
0.0924

■ 7.0306, 0.1549,
0.0774

Harmonies

Analogous

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



49.2020, 0.2639, 0.2901



49.2020, 0.2789, 0.2833



49.2020, 0.3034, 0.2879

Triad

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



49.2020, 0.2789, 0.2833



49.2020, 0.3671, 0.3463



49.2020, 0.2930, 0.3581

Complementary

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



49.2020, 0.2789, 0.2833



66.2440, 0.3457, 0.3709

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.



49.2020, 0.3202, 0.3748



49.2020, 0.2789, 0.2833



49.2020, 0.3636, 0.3663

Square

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



49.2020, 0.2789, 0.2833



49.2020, 0.3551, 0.3232



49.2020, 0.3462, 0.3774



49.2020, 0.2717, 0.3329

Rectangle

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



49.2020, 0.2789, 0.2833



49.2020, 0.3221, 0.2966



49.2020, 0.3462, 0.3774



49.2020, 0.3017, 0.3650

Sweetspot

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



49.2040, 0.2789, 0.2833



89.6099, 0.3035, 0.3168



66.2557, 0.2873, 0.3399



18.9475, 0.3025, 0.3154



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.



49.2040, 0.2789, 0.2833



61.3804, 0.2708, 0.2719



47.2510, 0.2889, 0.2736



13.6751, 0.2981, 0.3096



4.3003, 0.1554, 0.0794



0.4228, 0.1630, 0.1067

Inverse Universe

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



50.0854, 0.3461, 0.3186



62.9768, 0.3555, 0.3162



68.8031, 0.3334, 0.3822



13.7441, 0.3261, 0.3244



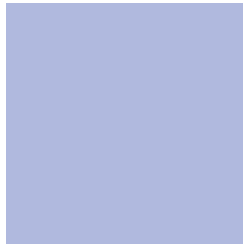
9.3422, 0.6079, 0.3122



0.6601, 0.5658, 0.2891

Previews

White Background



This preview shows how the Yxy color 49.2020, 0.2789, 0.2833 looks on a white background.

Color Contrast Check

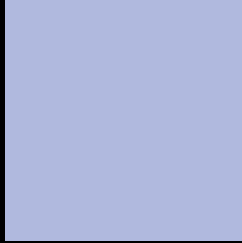
Large Text (above 18pt) WCAG AA × Fail

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 49.2020, 0.2789, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

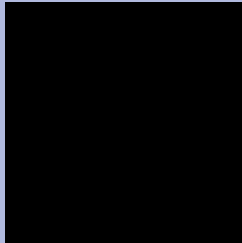
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2020, 0.2789, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 49.2020, 0.2789, 0.2833.



This preview shows how white text looks on a background with the Yxy color 49.2020, 0.2789, 0.2833.

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

49.2020, 0.2789, 0.2833

Protanopia

49.0199, 0.2803, 0.2822

Deuteranopia

49.2227, 0.2855, 0.2794



Tritanopia

49.0489, 0.2890, 0.3097

Trichromacy



Original Color

49.2020, 0.2789, 0.2833

Protanomaly

48.9020, 0.2795, 0.2821

Deuteranomaly

49.1398, 0.2825, 0.2802

Tritanomaly

49.0780, 0.2849, 0.2998

Monochromacy



Original Color

49.2020, 0.2789, 0.2833

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.3552, 0.2997, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2020, 0.2789, 0.2833 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(176, 185, 222)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 222)  
}
```

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(176, 185, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 222) }
```

Border

The CSS property to change the border of an element to Yxy 49.2020, 0.2789, 0.2833 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(176, 185, 222) }
```

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

```
.border{ border-color:rgb(176, 185, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 185, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 222);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2020, 0.2789, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 222) }
```

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

```
.background{ background-color: rgb(176,  
185, 222) }
```

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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