

Converting Colors

$Yxy(46.6248, 0.2720, 0.2728)$

Have a look what the booklet for
Yxy(46.6248, 0.2720, 0.2728)
contains.

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Color

Yxy(46.6248, 0.2720, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	AAB4E1
RGB	170, 180, 225
RGB Percent	67%, 71%, 88%
CMY	0.3334, 0.2941, 0.1176
CMYK	0.24, 0.20, 0.00, 0.12
HSL	229°, 48%, 77%
HSV	229°, 24%, 88%
XYZ	46.4881, 46.6248, 77.7992
YIQ	182.1400, -20.4050, 11.8750

Conversions

Conversions Part 2

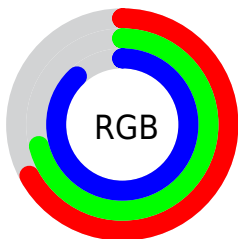
Format	Color
RYB	170, 178, 225
Decimal	11187425
CIELab	73.95, 6.24, -23.72
CIELCh	74, 24.522, 284.730
Yxy	46.6248, 0.2720, 0.2728
Android (android.graphics.Color)	4289377505 (0xFFAAB4E1)
YUV	182.1400, 21.1300, -10.6468
Hunter-Lab	68.2824, 2.0325, -19.7558

Details

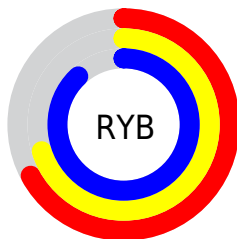
The Yxy color $46.6248, 0.2720, 0.2728$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $67.5112, 0.3520, 0.3795$, and the grayscale version is $46.7501, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.3797, 0.2949, 0.3096$, and $21.8629, 0.2606, 0.2568$ is the 20% darker color. If you saturate the color by 10%, you get $37.3862, 0.2531, 0.2453$, and if you desaturate by 10%, it is $57.2828, 0.2897, 0.2977$.

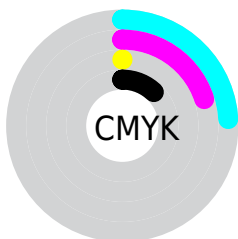
Distribution



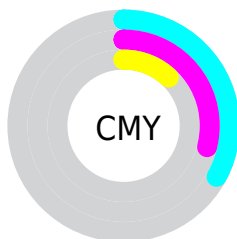
- Red (67%)
- Green (71%)
- Blue (88%)



- Red (67%)
- Yellow (70%)
- Blue (88%)



- Cyan (24%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (33%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6248, 0.2720, 0.2728 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 46.6248, 0.2720, 0.2728 by changing the saturation by 10% instead.

■ 46.6248, 0.2720,
0.2728

■ 46.6248, 0.2720,
0.2728

373.3149, 0.2922,
0.3002

■ 32.7391, 0.2670,
0.2662

■ 85.1533, 0.2793,
0.2825

■ 21.9267, 0.2607,
0.2580

110.5649, 0.2820,
0.2863

■ 13.8030, 0.2524,
0.2473

140.5873, 0.2844,
0.2894

■ 7.9838, 0.2411,
0.2329

175.6049, 0.2864,
0.2922

■ 4.0846, 0.2249,
0.2126

216.0021, 0.2881,
0.2945

■ 1.7210, 0.1999,
0.1825

262.1632, 0.2897,

■ 0.4372, 0.1545,

0.2966

0.1189

314.4727, 0.2910,
0.2985

0.0000, 0.0000,
0.0000

46.6248, 0.2720,
0.2728

46.6248, 0.2720,
0.2728

37.3862, 0.2531,
0.2453

57.2828, 0.2897,
0.2977

29.5011, 0.2334,
0.2159

69.4114, 0.3060,
0.3200

22.9063, 0.2138,
0.1853

83.0661, 0.3206,
0.3395

17.5315, 0.1954,
0.1550

97.3392, 0.3305,
0.3568

13.2995, 0.1791,
0.1268

98.2175, 0.3303,
0.3581

■ 10.1235, 0.1663,
0.1023

■ 7.9031, 0.1576,
0.0833

■ 7.0230, 0.1543,
0.0753

Harmonies

Analogous

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



46.6248, 0.2531, 0.2801



46.6248, 0.2720, 0.2728



46.6248, 0.3024, 0.2792

Triad

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



46.6248, 0.2720, 0.2728



46.6248, 0.3807, 0.3510



46.6248, 0.2866, 0.3643

Complementary

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



46.6248, 0.2720, 0.2728



67.5112, 0.3520, 0.3795

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.



46.6248, 0.3200, 0.3860



46.6248, 0.2720, 0.2728



46.6248, 0.3753, 0.3757

Square

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



46.6248, 0.2720, 0.2728



46.6248, 0.3666, 0.3227



46.6248, 0.3527, 0.3895



46.6248, 0.2611, 0.3320

Rectangle

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



46.6248, 0.2720, 0.2728



46.6248, 0.3258, 0.2901



46.6248, 0.3527, 0.3895



46.6248, 0.2973, 0.3732

Sweetspot

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



46.6267, 0.2720, 0.2728



87.8074, 0.3019, 0.3145



67.3094, 0.2825, 0.3410



18.5795, 0.3010, 0.3132



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.



46.6267, 0.2720, 0.2728



55.8663, 0.2632, 0.2601



44.7958, 0.2845, 0.2624



13.6451, 0.2981, 0.3092



4.1686, 0.1548, 0.0773



0.4087, 0.1622, 0.1038

Inverse Universe

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



48.0485, 0.3546, 0.3175



58.2466, 0.3656, 0.3151



70.1153, 0.3364, 0.3926



13.7411, 0.3263, 0.3248



9.3289, 0.6113, 0.3141



0.6587, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 46.6248, 0.2720, 0.2728 looks on a white background.

Color Contrast Check

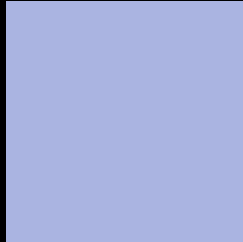
Large Text (above 18pt) WCAG AA × Fail

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 46.6248, 0.2720, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

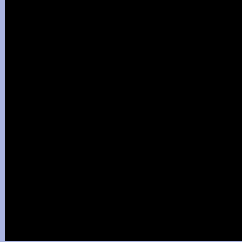
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6248, 0.2720, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 46.6248, 0.2720, 0.2728.



This preview shows how white text looks on a background with the Yxy color 46.6248, 0.2720, 0.2728.

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

46.6248, 0.2720, 0.2728

Protanopia

46.7367, 0.2728, 0.2729

Deuteranopia

46.6241, 0.2770, 0.2711



Tritanopia

46.8208, 0.2863, 0.3105

Trichromacy



Original Color

46.6248, 0.2720, 0.2728

Protanomaly

46.7367, 0.2728, 0.2729

Deuteranomaly

46.6751, 0.2749, 0.2720

Tritanomaly

46.6365, 0.2815, 0.2966

Monochromacy



Original Color

46.6248, 0.2720, 0.2728

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5899, 0.2971, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6248, 0.2720, 0.2728 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(170, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 225)  
}
```

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(170, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 225) }
```

Border

The CSS property to change the border of an element to Yxy 46.6248, 0.2720, 0.2728 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(170, 180, 225) }
```

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

```
.border{ border-color:rgb(170, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6248, 0.2720, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 225) }
```

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

```
.background{ background-color: rgb(170,  
180, 225) }
```

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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