

Converting Colors

$Y_{xy}(45.4232, 0.2786, 0.2786)$

Have a look what the booklet for
Yxy(45.4232, 0.2786, 0.2786)
contains.

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Color

Yxy(45.2247, 0.2786, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	ACB1D9
RGB	172, 177, 217
RGB Percent	67%, 69%, 85%
CMY	0.3254, 0.3059, 0.1492
CMYK	0.21, 0.18, 0.00, 0.15
HSL	233°, 37%, 76%
HSV	233°, 21%, 85%
XYZ	45.2572, 45.2247, 71.9632
YIQ	180.0650, -15.8200, 11.3800

Conversions

Conversions Part 2

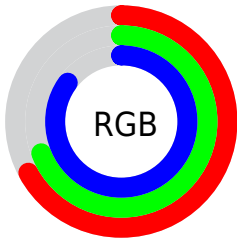
Format	Color
R _Y B	172, 177, 217
Decimal	11317721
CIE Lab	73.04, 6.65, -20.70
CIE LCh	73, 21.738, 287.807
Yxy	45.2247, 0.2786, 0.2784
Android (android.graphics.Color)	4289507801 (0xFFACB1D9)
YUV	180.0650, 18.2090, -7.0730
Hunter-Lab	67.2493, 2.4400, -16.3714

Details

The Yxy color $45.2247, 0.2786, 0.2784$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $64.7954, 0.3449, 0.3750$, and the grayscale version is $45.5864, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.9918, 0.2961, 0.3066$, and $21.1978, 0.2689, 0.2656$ is the 20% darker color. If you saturate the color by 10%, you get $35.8805, 0.2596, 0.2495$, and if you desaturate by 10%, it is $56.0500, 0.2960, 0.3044$.

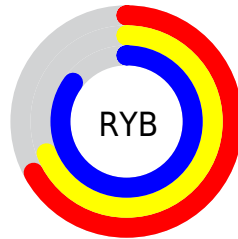
Distribution



Red (67%)

Green (69%)

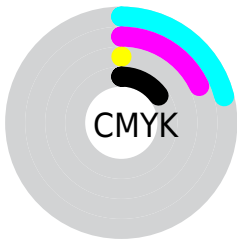
Blue (85%)



Red (67%)

Yellow (69%)

Blue (85%)

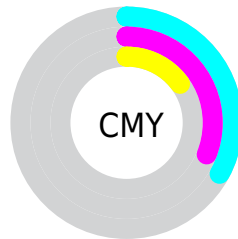


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (15%)



Cyan (33%)

Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2247, 0.2786, 0.2784 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 45.2247, 0.2786, 0.2784 by changing the saturation by 10% instead.

■ 45.2247, 0.2786,
0.2784

■ 45.2247, 0.2786,
0.2784

367.6828, 0.2957,
0.3032

■ 31.6345, 0.2743,
0.2724

■ 83.0575, 0.2848,
0.2873

■ 21.0824, 0.2689,
0.2648

108.0688, 0.2871,
0.2907

■ 13.1843, 0.2617,
0.2548

137.6560, 0.2891,
0.2935

■ 7.5556, 0.2517,
0.2414

172.2034, 0.2908,
0.2960

■ 3.8119, 0.2372,
0.2222

212.0953, 0.2923,
0.2982

■ 1.5689, 0.2141,
0.1929

257.7163, 0.2936,

■ 0.3365, 0.1659,

0.3000

0.1158

309.4507, 0.2947,
0.3017

0.0000, 0.0000,
0.0000

45.2247, 0.2786,
0.2784

45.2247, 0.2786,
0.2784

35.8805, 0.2596,
0.2495

56.0500, 0.2960,
0.3044

27.9474, 0.2396,
0.2183

68.4112, 0.3117,
0.3275

21.3584, 0.2191,
0.1858

82.3672, 0.3256,
0.3476

16.0383, 0.1994,
0.1535

97.2449, 0.3353,
0.3653

11.9048, 0.1817,
0.1235

97.7878, 0.3352,
0.3661

■ 8.8656, 0.1673,
0.0979

■ 6.8146, 0.1574,
0.0786

■ 5.6656, 0.1520,
0.0670

Harmonies

Analogous

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



45.2247, 0.2602, 0.2838



45.2247, 0.2786, 0.2784



45.2247, 0.3068, 0.2853

Triad

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



45.2247, 0.2786, 0.2784



45.2247, 0.3738, 0.3516



45.2247, 0.2866, 0.3578

Complementary

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



45.2247, 0.2786, 0.2784



64.7954, 0.3449, 0.3750

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.



45.2247, 0.3163, 0.3784



45.2247, 0.2786, 0.2784



45.2247, 0.3673, 0.3729

Square

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



45.2247, 0.2786, 0.2784



45.2247, 0.3629, 0.3261



45.2247, 0.3460, 0.3836



45.2247, 0.2646, 0.3288

Rectangle

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



45.2247, 0.2786, 0.2784



45.2247, 0.3277, 0.2958



45.2247, 0.3460, 0.3836



45.2247, 0.2960, 0.3660

Sweetspot

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



45.2265, 0.2786, 0.2784



88.8406, 0.3035, 0.3155



63.1175, 0.2851, 0.3353



18.7663, 0.3025, 0.3140



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.



45.2265, 0.2786, 0.2784



58.8700, 0.2702, 0.2657



45.3669, 0.2919, 0.2741



12.8490, 0.2981, 0.3075



3.5076, 0.1523, 0.0683



0.3072, 0.1580, 0.0888

Inverse Universe

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



47.4298, 0.3495, 0.3231



62.7234, 0.3599, 0.3218



64.8276, 0.3305, 0.3826



13.0749, 0.3274, 0.3264



8.9779, 0.6260, 0.3222



0.5897, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 45.2247, 0.2786, 0.2784 looks on a white background.

Color Contrast Check

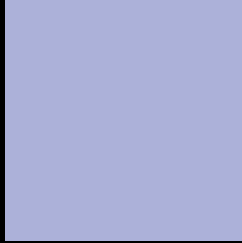
Large Text (above 18pt) WCAG AA × Fail

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 45.2247, 0.2786, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

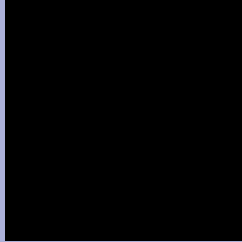
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2247, 0.2786, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 45.2247, 0.2786, 0.2784.



This preview shows how white text looks on a background with the Yxy color 45.2247, 0.2786, 0.2784.

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

45.2247, 0.2786, 0.2784

Protanopia

45.0001, 0.2770, 0.2781

Deuteranopia

45.1347, 0.2831, 0.2764



Tritanopia

45.3127, 0.2913, 0.3104

Trichromacy



Original Color

45.2247, 0.2786, 0.2784

Protanomaly

45.1120, 0.2778, 0.2782

Deuteranomaly

45.2905, 0.2816, 0.2775

Tritanomaly

45.3893, 0.2863, 0.2990

Monochromacy



Original Color

45.2247, 0.2786, 0.2784

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4376, 0.3001, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2247, 0.2786, 0.2784 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(172, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(172, 177, 217)  
}
```

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(172, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 177, 217) }
```

Border

The CSS property to change the border of an element to Yxy 45.2247, 0.2786, 0.2784 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(172, 177, 217) }
```

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

```
.border{ border-color:rgb(172, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(172, 177,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2247, 0.2786, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 177, 217) }
```

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

```
.background{ background-color: rgb(172,  
177, 217) }
```

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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