

Converting Colors

$Y_{xy}(45.3644, 0.2895, 0.2943)$

Have a look what the booklet for
Yxy(45.3644, 0.2895, 0.2943)
contains.

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Color

Yxy(45.3625, 0.2895, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	AFB2CD
RGB	175, 178, 205
RGB Percent	69%, 70%, 80%
CMY	0.3136, 0.3020, 0.1961
CMYK	0.15, 0.13, 0.00, 0.20
HSL	234°, 23%, 75%
HSV	234°, 15%, 80%
XYZ	44.6226, 45.3625, 64.1518
YIQ	180.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

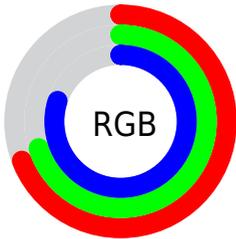
Format	Color
R _Y B	175, 178, 205
Decimal	11514573
CIE Lab	73.13, 4.42, -13.99
CIE LCh	73, 14.677, 287.546
Yxy	45.3625, 0.2895, 0.2943
Android (android.graphics.Color)	4289704653 (0xFFAFB2CD)
YUV	180.1810, 12.2358, -4.5437
Hunter-Lab	67.3517, 0.3965, -9.3269

Details

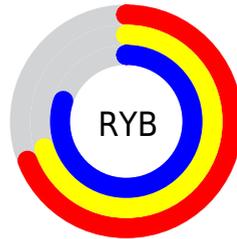
The Yxy color **45.3625, 0.2895, 0.2943** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.3246, 0.3349, 0.3615**, and the grayscale version is **45.6842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0546, 0.2980, 0.3077**, and **21.0392, 0.2822, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **36.3075, 0.2715, 0.2669**, and if you desaturate by 10%, it is **55.7709, 0.3058, 0.3187**.

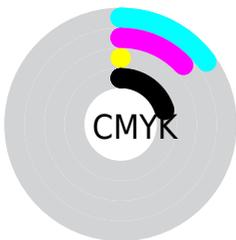
Distribution



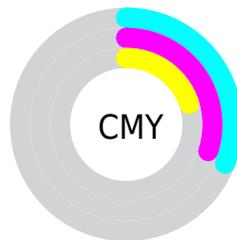
- Red (69%)
- Green (70%)
- Blue (80%)



- Red (69%)
- Yellow (70%)
- Blue (80%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3625, 0.2895, 0.2943 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 45.3625, 0.2895, 0.2943 by changing the saturation by 10% instead.

■ 45.3625, 0.2895,
0.2943

■ 45.3625, 0.2895,
0.2943

368.2397, 0.3012,
0.3115

■ 31.7431, 0.2866,
0.2901

■ 83.2641, 0.2937,
0.3005

■ 21.1653, 0.2828,
0.2847

108.3151, 0.2953,
0.3028

■ 13.2449, 0.2778,
0.2776

137.9453, 0.2967,
0.3048

■ 7.5974, 0.2708,
0.2678

172.5392, 0.2978,
0.3065

■ 3.8384, 0.2605,
0.2536

212.4813, 0.2988,
0.3080

■ 1.5836, 0.2435,
0.2309

258.1557, 0.2997,

■ 0.3465, 0.1993,

0.3093

0.1579

309.9471, 0.3005,
0.3105

0.0000, 0.0000,
0.0000

45.3625, 0.2895,
0.2943

45.3625, 0.2895,
0.2943

36.3075, 0.2715,
0.2669

55.7709, 0.3058,
0.3187

28.5449, 0.2520,
0.2367

67.5793, 0.3203,
0.3402

22.0172, 0.2316,
0.2046

80.8389, 0.3331,
0.3588

16.6605, 0.2112,
0.1717

95.2105, 0.3429,
0.3752

12.4050, 0.1920,
0.1399

97.1871, 0.3424,
0.3781

■ 9.1737, 0.1754,
0.1114

■ 6.8791, 0.1627,
0.0882

■ 5.4191, 0.1546,
0.0720

■ 4.9176, 0.1517,
0.0662

Harmonies

Analogous

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



45.3625, 0.2768, 0.2985



45.3625, 0.2895, 0.2943



45.3625, 0.3087, 0.2988

Triad

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



45.3625, 0.2895, 0.2943



45.3625, 0.3537, 0.3448



45.3625, 0.2954, 0.3483

Complementary

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



45.3625, 0.2895, 0.2943



58.3246, 0.3349, 0.3615

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.



45.3625, 0.3156, 0.3618



45.3625, 0.2895, 0.2943



45.3625, 0.3497, 0.3590

Square

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



45.3625, 0.2895, 0.2943



45.3625, 0.3463, 0.3273



45.3625, 0.3356, 0.3655



45.3625, 0.2801, 0.3294

Rectangle

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



45.3625, 0.2895, 0.2943



45.3625, 0.3228, 0.3061



45.3625, 0.3356, 0.3655



45.3625, 0.3018, 0.3537

Sweetspot

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



45.3644, 0.2895, 0.2943



92.3922, 0.3067, 0.3200



57.0373, 0.2926, 0.3327



19.4786, 0.3055, 0.3183



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.



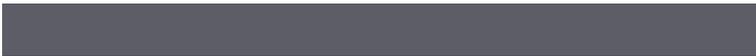
45.3644, 0.2895, 0.2943



68.7022, 0.2832, 0.2847



45.6463, 0.2992, 0.2915



11.0196, 0.2982, 0.3074



3.1266, 0.1521, 0.0674



0.2237, 0.1582, 0.0896

Inverse Universe

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



46.8640, 0.3371, 0.3254



71.7468, 0.3444, 0.3245



58.0903, 0.3249, 0.3660



11.2314, 0.3275, 0.3267



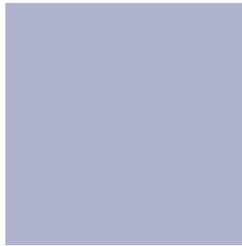
8.1186, 0.6275, 0.3231



0.4251, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 45.3625, 0.2895, 0.2943 looks on a white background.

Color Contrast Check

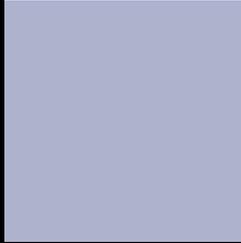
Large Text (above 18pt) WCAG AA × Fail

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 45.3625, 0.2895, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

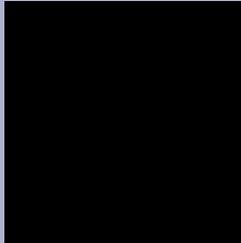
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

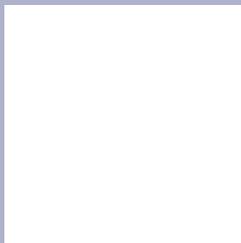
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3625, 0.2895, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 45.3625, 0.2895, 0.2943.



This preview shows how white text looks on a background with the Yxy color 45.3625, 0.2895, 0.2943.

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

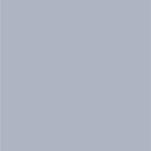
45.3625, 0.2895, 0.2943

Protanopia

45.3625, 0.2895, 0.2943

Deuteranopia

45.3065, 0.2959, 0.2900



Tritanopia

45.4218, 0.2960, 0.3106

Trichromacy



Original Color

45.3625, 0.2895, 0.2943

Protanomaly

45.3625, 0.2895, 0.2943

Deuteranomaly

45.3307, 0.2935, 0.2910

Tritanomaly

45.3161, 0.2938, 0.3042

Monochromacy



Original Color

45.3625, 0.2895, 0.2943

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3793, 0.3040, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3625, 0.2895, 0.2943 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(175, 178, 205)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 205)  
}
```

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(175, 178, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 205) }
```

Border

The CSS property to change the border of an element to Yxy 45.3625, 0.2895, 0.2943 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(175, 178, 205) }
```

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

```
.border{ border-color:rgb(175, 178, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 205);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
205) }
```

Background

The CSS property to change the background color of an element to Yxy 45.3625, 0.2895, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 205) }
```

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

```
.background{ background-color: rgb(175,  
178, 205) }
```

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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