

Converting Colors

$Y_{xy}(30.5943, 0.2951, 0.2466)$

Have a look what the booklet for
Yxy(30.5943, 0.2951, 0.2466)
contains.

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Color

Yxy(30.5893, 0.2955, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	B087C5
RGB	176, 135, 197
RGB Percent	69%, 53%, 77%
CMY	0.3096, 0.4707, 0.2274
CMYK	0.11, 0.31, 0.00, 0.23
HSL	280°, 35%, 65%
HSV	280°, 31%, 77%
XYZ	36.6551, 30.5893, 56.7998
YIQ	154.3270, 4.5340, 27.9740

Conversions

Conversions Part 2

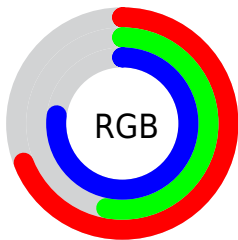
Format	Color
R_{YB}	176, 135, 197
Decimal	11569093
CIE _{Lab}	62.16, 27.05, -26.24
CIE _{LCh}	62, 37.688, 315.869
Yxy	30.5893, 0.2955, 0.2466
Android (android.graphics.Color)	4289759173 (0xFFB087C5)
YUV	154.3270, 21.0378, 19.0072
Hunter-Lab	55.3076, 21.5124, -22.1744

Details

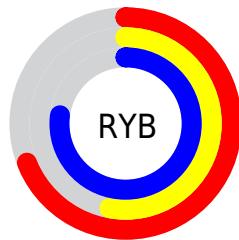
The Yxy color $30.5893, 0.2955, 0.2466$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $48.7469, 0.3248, 0.4163$, and the grayscale version is $32.3723, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.7068, 0.2991, 0.2618$, and $12.6911, 0.2891, 0.2241$ is the 20% darker color. If you saturate the color by 10%, you get $24.8359, 0.2882, 0.2190$, and if you desaturate by 10%, it is $37.4004, 0.3019, 0.2740$.

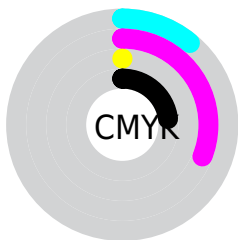
Distribution



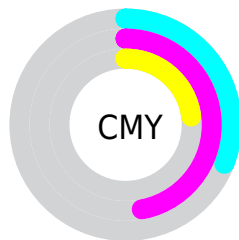
- Red (69%)
- Green (53%)
- Blue (77%)



- Red (69%)
- Yellow (53%)
- Blue (77%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (23%)





- Cyan (31%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5893, 0.2955, 0.2466 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 30.5893, 0.2955, 0.2466 by changing the saturation by 10% instead.


 30.5893, 0.2955,
0.2466


 30.5893, 0.2955,
0.2466


304.6417, 0.3055,
0.2879


 20.2863, 0.2926,
0.2363


 60.5929, 0.2994,
0.2616

 12.6033, 0.2885,
0.2232

 81.0623, 0.3008,
0.2672

 7.1560, 0.2827,
0.2060


 105.6892, 0.3020,
0.2720

 3.5598, 0.2738,
0.1824

134.8582, 0.3029,
0.2761

 1.4305, 0.2587,
0.1488

168.9535, 0.3037,
0.2797

 0.2391, 0.2387,
0.0642

208.3596, 0.3044,

 0.0000, 0.0000,

0.2828

0.0000

253.4609, 0.3050,
0.2855

■ 30.5893, 0.2955,
0.2466

■ 30.5893, 0.2955,
0.2466

■ 24.8359, 0.2882,
0.2190

■ 37.4004, 0.3019,
0.2740

■ 20.0797, 0.2801,
0.1921

■ 45.3178, 0.3074,
0.3005

■ 16.2597, 0.2714,
0.1673


■ 54.3916, 0.3121,
0.3254

■ 13.3066, 0.2623,
0.1456


■ 64.6678, 0.3160,
0.3486


■ 11.1410, 0.2531,
0.1281


■ 76.1896, 0.3191,
0.3698


 9.6688, 0.2442,
0.1155

 88.9983, 0.3217,
0.3891

 8.8120, 0.2369,
0.1079

 91.1838, 0.3258,
0.3901

 92.2599, 0.3301,
0.3892

 93.3781, 0.3345,
0.3884

Harmonies

Analogous

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



30.5893, 0.2439, 0.2344



30.5893, 0.2955, 0.2466



30.5893, 0.3574, 0.2761

Triad

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



30.5893, 0.2955, 0.2466



30.5893, 0.4203, 0.4078



30.5893, 0.2227, 0.3296

Complementary

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



30.5893, 0.2955, 0.2466



48.7469, 0.3248, 0.4163

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.



30.5893, 0.2637, 0.3915



30.5893, 0.2955, 0.2466



30.5893, 0.3779, 0.4365

Square

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



30.5893, 0.2955, 0.2466



30.5893, 0.4334, 0.3641



30.5893, 0.3204, 0.4333



30.5893, 0.2053, 0.2755

Rectangle

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



30.5893, 0.2955, 0.2466



30.5893, 0.3950, 0.3028



30.5893, 0.3204, 0.4333



30.5893, 0.2339, 0.3506

Sweetspot

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



30.5906, 0.2955, 0.2466



84.7801, 0.3086, 0.3065



33.1908, 0.2612, 0.2703



17.6552, 0.3079, 0.3027



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.



30.5906, 0.2955, 0.2466



47.2779, 0.2904, 0.2269



32.8127, 0.3255, 0.2622



10.6302, 0.3085, 0.3059



5.8430, 0.2380, 0.1085



0.3153, 0.2557, 0.1182

Inverse Universe

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



31.5929, 0.3595, 0.3014



49.5026, 0.3746, 0.2950



47.1079, 0.3022, 0.4066



10.6951, 0.3237, 0.3212



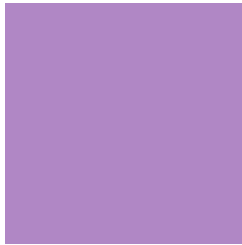
8.0849, 0.5600, 0.2859



0.3964, 0.5008, 0.2532

Previews

White Background



This preview shows how the Yxy color 30.5893, 0.2955, 0.2466 looks on a white background.

Color Contrast Check

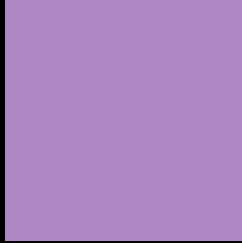
Large Text (above 18pt) WCAG AA × Fail

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 30.5893, 0.2955, 0.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

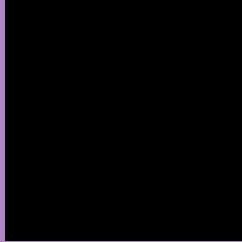
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5893, 0.2955, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 30.5893, 0.2955, 0.2466.



This preview shows how white text looks on a background with the Yxy color 30.5893, 0.2955, 0.2466.

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

30.5893, 0.2955, 0.2466

Protanopia

30.6713, 0.2512, 0.2444

Deuteranopia

30.8256, 0.2676, 0.2620



Tritanopia

30.5575, 0.3295, 0.3116

Trichromacy



Original Color

30.5893, 0.2955, 0.2466

Protanomaly

30.3463, 0.2662, 0.2448

Deuteranomaly

30.4551, 0.2768, 0.2554

Tritanomaly

30.4291, 0.3168, 0.2865

Monochromacy



Original Color

30.5893, 0.2955, 0.2466

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.4511, 0.3062, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5893, 0.2955, 0.2466 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, 135, 197)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 197)  
}
```

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, 135, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 197) }
```

Border

The CSS property to change the border of an element to Yxy 30.5893, 0.2955, 0.2466 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, 135, 197) }
```

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

```
.border{ border-color:rgb(176, 135, 197) }
```

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

Here you see how a box with a 4 pixel rgb(176, 135, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 135, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 135, 197);  
box-shadow:4px 4px 4px 4px rgb(176, 135,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5893, 0.2955, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 197) }
```

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

```
.background{ background-color: rgb(176,  
135, 197) }
```

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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