

Converting Colors

$Y_{xy}(11.6926, 0.2833, 0.2460)$

Have a look what the booklet for
Yxy(11.6926, 0.2833, 0.2460)
contains.

Yxy(11.6286, 0.2830, 0.2457)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.6286, 0.2830, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	6A5881
RGB	106, 88, 129
RGB Percent	42%, 35%, 51%
CMY	0.5844, 0.6549, 0.4941
CMYK	0.18, 0.32, 0.00, 0.49
HSL	266°, 19%, 43%
HSV	266°, 32%, 51%
XYZ	13.3940, 11.6286, 22.3059
YIQ	98.0560, -2.4330, 16.5670

Conversions

Conversions Part 2

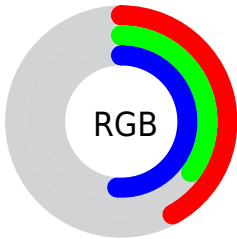
Format	Color
R_{YB}	106, 88, 129
Decimal	6969473
CIE _{Lab}	40.62, 16.14, -20.28
CIE _{LCh}	41, 25.920, 308.517
Yxy	11.6286, 0.2830, 0.2457
Android (android.graphics.Color)	4285159553 (0xFF6A5881)
YUV	98.0560, 15.2554, 6.9669
Hunter-Lab	34.1007, 10.4342, -14.9121

Details

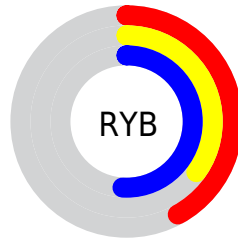
The Yxy color **11.6286, 0.2830, 0.2457** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.7854, 0.3358, 0.4108**, and the grayscale version is **12.1904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8235, 0.2913, 0.2654**, and **3.1347, 0.2656, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **9.2700, 0.2710, 0.2165**, and if you desaturate by 10%, it is **14.4005, 0.2938, 0.2739**.

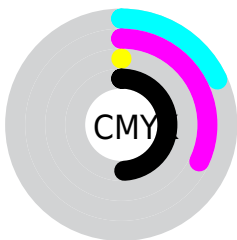
Distribution



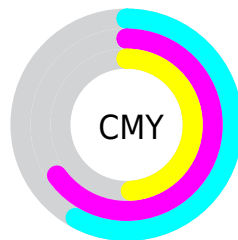
- Red (42%)
- Green (35%)
- Blue (51%)



- Red (42%)
- Yellow (35%)
- Blue (51%)



- Cyan (18%)
- Magenta (32%)
- Yellow (0%)
- Black (49%)



- Cyan (58%)
- Magenta (65%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6286, 0.2830, 0.2457 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 11.6286, 0.2830, 0.2457 by changing the saturation by 10% instead.

■ 11.6286, 0.2830,
0.2457

■ 11.6286, 0.2830,
0.2457

■ 201.9308, 0.3017,
0.2943

■ 6.4913, 0.2763,
0.2306

■ 28.8168, 0.2911,
0.2654

■ 3.1461, 0.2661,
0.2090

■ 41.6366, 0.2937,
0.2721

■ 1.2085, 0.2486,
0.1762

■ 57.7860, 0.2957,
0.2776

■ 0.0686, 0.2163,
0.0323

■ 77.6493, 0.2974,
0.2821

■ 0.0000, 0.0000,
0.0000

■ 101.6111, 0.2988,
0.2859

130.0557, 0.2999,

0.2891

163.3674, 0.3009,
0.2919

■ 11.6286, 0.2830,
0.2457

■ 11.6286, 0.2830,
0.2457

■ 9.2700, 0.2710,
0.2165

■ 14.4005, 0.2938,
0.2739

■ 7.3025, 0.2579,
0.1872

■ 17.6033, 0.3032,
0.3004

■ 5.7040, 0.2440,
0.1590


■ 21.2556, 0.3114,
0.3249

■ 4.4497, 0.2300,
0.1335


■ 25.3743, 0.3184,
0.3472

■ 3.5115, 0.2163,
0.1119

■ 29.9754, 0.3243,
0.3674


 2.8564, 0.2036,
0.0954

 35.0741, 0.3293,
0.3854

 2.4418, 0.1939,
0.0842

 40.6851, 0.3335,
0.4016

 46.8223, 0.3370,
0.4160

 53.4992, 0.3399,
0.4288

Harmonies

Analogous

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



11.6286, 0.2379, 0.2388



11.6286, 0.2830, 0.2457



11.6286, 0.3409, 0.2703

Triad

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



11.6286, 0.2830, 0.2457



11.6286, 0.4212, 0.3952



11.6286, 0.2346, 0.3444

Complementary

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



11.6286, 0.2830, 0.2457



19.7854, 0.3358, 0.4108

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.



11.6286, 0.2786, 0.4005



11.6286, 0.2830, 0.2457



11.6286, 0.3868, 0.4268

Square

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



11.6286, 0.2830, 0.2457



11.6286, 0.4251, 0.3520



11.6286, 0.3343, 0.4319



11.6286, 0.2120, 0.2894

Rectangle

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



11.6286, 0.2830, 0.2457



11.6286, 0.3786, 0.2943



11.6286, 0.3343, 0.4319



11.6286, 0.2472, 0.3643

Sweetspot

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



11.6291, 0.2830, 0.2457



32.4787, 0.3046, 0.3043



15.0805, 0.2648, 0.2915



7.1870, 0.3035, 0.3013



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.6291, 0.2830, 0.2457



17.7455, 0.2746, 0.2250



13.0218, 0.3122, 0.2526



4.2968, 0.3055, 0.3072



2.3833, 0.1940, 0.0842



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7963, 0.3432, 0.2849



20.2294, 0.3525, 0.2748



18.6153, 0.3116, 0.4173



4.3815, 0.3198, 0.3170



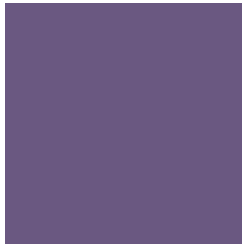
5.0132, 0.4643, 0.2332



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.6286, 0.2830, 0.2457 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 11.6286, 0.2830, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6286, 0.2830, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 11.6286, 0.2830, 0.2457.



This preview shows how white text looks on a background with the Yxy color 11.6286, 0.2830, 0.2457.

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

11.6286, 0.2830, 0.2457

Protanopia

11.7905, 0.2509, 0.2454

Deuteranopia

11.6386, 0.2615, 0.2552



Tritanopia

11.7117, 0.3135, 0.3133

Trichromacy



Original Color

11.6286, 0.2830, 0.2457

Protanomaly

11.5955, 0.2616, 0.2446

Deuteranomaly

11.6457, 0.2699, 0.2526

Tritanomaly

11.6856, 0.3025, 0.2877

Monochromacy



Original Color

11.6286, 0.2830, 0.2457

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8762, 0.3023, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6286, 0.2830, 0.2457 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(106, 88, 129)` looks like.

```
.text, #text, p{  
    color:rgb(106, 88, 129)  
}
```

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(106, 88, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 88, 129) }
```

Border

The CSS property to change the border of an element to Yxy 11.6286, 0.2830, 0.2457 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(106, 88, 129) }
```

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

```
.border{ border-color:rgb(106, 88, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 88, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 88, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 88, 129); box-shadow:4px 4px 4px 4px rgb(106, 88, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6286, 0.2830, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 88, 129) }
```

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

```
.background{ background-color: rgb(106, 88,  
129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor