

Converting Colors

$Y_{xy}(10.5496, 0.2778, 0.1680)$

Have a look what the booklet for
Yxy(10.5496, 0.2778, 0.1680)
contains.

Yxy(10.6067, 0.2781, 0.1685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6067, 0.2781, 0.1685)

Conversions

Conversions Part 1

Format	Color
Hex	843BA1
RGB	132, 59, 161
RGB Percent	52%, 23%, 63%
CMY	0.4825, 0.7684, 0.3687
CMYK	0.18, 0.63, 0.00, 0.37
HSL	283°, 46%, 43%
HSV	283°, 63%, 63%
XYZ	17.5058, 10.6067, 34.8353
YIQ	92.4550, 10.7660, 47.1980

Conversions

Conversions Part 2

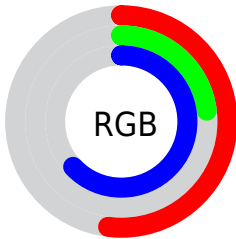
Format	Color
R_{YB}	132, 59, 161
Decimal	8666017
CIE _{Lab}	38.91, 47.80, -42.12
CIE _{LCh}	39, 63.706, 318.616
Yxy	10.6067, 0.2781, 0.1685
Android (android.graphics.Color)	4286856097 (0xFF843BA1)
YUV	92.4550, 33.7927, 34.6810
Hunter-Lab	32.5679, 38.9527, -40.6202

Details

The Yxy color **10.6067, 0.2781, 0.1685** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **27.8790, 0.3250, 0.5159**, and the grayscale version is **10.7343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0181, 0.2898, 0.2017**, and **2.7664, 0.2553, 0.1180** is the 20% darker color. If you saturate the color by 10%, you get **8.8370, 0.2706, 0.1485**, and if you desaturate by 10%, it is **12.9039, 0.2853, 0.1918**.

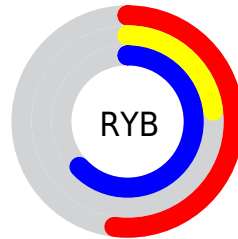
Distribution



Red (52%)

Green (23%)

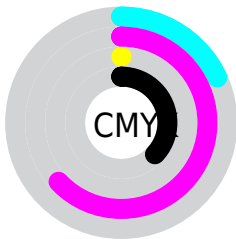
Blue (63%)



Red (52%)

Yellow (23%)

Blue (63%)

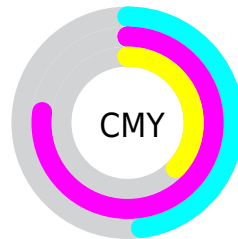


Cyan (18%)

Magenta (63%)

Yellow (0%)

Black (37%)



Cyan (48%)


Magenta (77%)

Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6067, 0.2781, 0.1685 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 10.6067, 0.2781, 0.1685 by changing the saturation by 10% instead.

 10.6067, 0.2781,
0.1685


 10.6067, 0.2781,
0.1685


 194.9490, 0.3022,
0.2549

 5.8030, 0.2690,
0.1460


 26.9306, 0.2889,
0.2009


 2.7257, 0.2552,
0.1174

 39.2195, 0.2924,
0.2128

 0.9903, 0.2327,
0.0811

 54.7724, 0.2950,
0.2228

 0.0000, 0.2013,
0.0000

 73.9736, 0.2971,
0.2312

 0.0000, 0.0000,
0.0000

 97.2074, 0.2987,
0.2384

 124.8584, 0.3001,

0.2447

157.3108, 0.3013,
0.2501

■ 10.6067, 0.2781,
0.1685

■ 10.6067, 0.2781,
0.1685

■ 8.8370, 0.2706,
0.1485

■ 12.9039, 0.2853,
0.1918

■ 7.5446, 0.2630,
0.1326

■ 15.7701, 0.2920,
0.2172

■ 6.6717, 0.2555,
0.1214

■ 19.2438, 0.2980,
0.2437

■ 6.2266, 0.2506,
0.1154

■ 23.3600, 0.3033,
0.2704

■ 28.1509, 0.3078,
0.2964

■ 33.6465, 0.3116,
0.3211

■ 39.8750, 0.3148,
0.3443

■ 46.8629, 0.3173,
0.3657

■ 54.6356, 0.3194,
0.3853

Harmonies

Analogous

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



10.6067, 0.1739, 0.1429



10.6067, 0.2781, 0.1685



10.6067, 0.4263, 0.2221

Triad

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



10.6067, 0.2781, 0.1685



10.6067, 0.5186, 0.4671



10.6067, 0.1175, 0.2990

Complementary

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



10.6067, 0.2781, 0.1685



27.8790, 0.3250, 0.5159

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.



10.6067, 0.1815, 0.4787



10.6067, 0.2781, 0.1685



10.6067, 0.4101, 0.5649

Square

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



10.6067, 0.2781, 0.1685



10.6067, 0.5784, 0.3723



10.6067, 0.2894, 0.5990



10.6067, 0.1008, 0.1909

Rectangle

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



10.6067, 0.2781, 0.1685



10.6067, 0.5185, 0.2688



10.6067, 0.2894, 0.5990



10.6067, 0.1328, 0.3536

Sweetspot

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



10.6071, 0.2781, 0.1685



45.0991, 0.3051, 0.2808



10.7537, 0.2053, 0.1861



9.4021, 0.3039, 0.2737



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



10.6071, 0.2781, 0.1685



14.7808, 0.2674, 0.1415



12.6194, 0.3505, 0.2102



7.1004, 0.3094, 0.3065



4.9954, 0.2512, 0.1157



0.1270, 0.2778, 0.1304

Inverse Universe

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



11.4142, 0.4513, 0.2858



16.7012, 0.5022, 0.2838



26.9863, 0.2915, 0.4924



7.1176, 0.3242, 0.3226



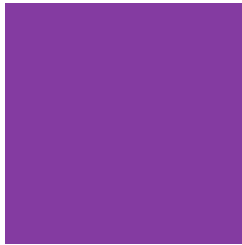
6.2145, 0.5769, 0.2952



0.1383, 0.4807, 0.2422

Previews

White Background



This preview shows how the Yxy color 10.6067, 0.2781, 0.1685 looks on a white background.

Color Contrast Check

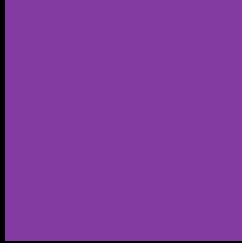
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6067, 0.2781, 0.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

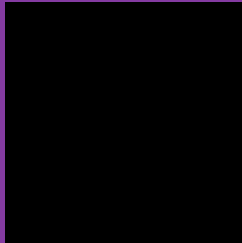
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6067, 0.2781, 0.1685

Background



This preview shows how black text looks on a background with the Yxy color 10.6067, 0.2781, 0.1685.



This preview shows how white text looks on a background with the Yxy color 10.6067, 0.2781, 0.1685.

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

10.6067, 0.2781, 0.1685

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.8482, 0.2038, 0.1992



Tritanopia

10.6379, 0.3735, 0.3167

Trichromacy



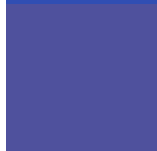
Original Color

10.6067, 0.2781, 0.1685



Protanomaly

9.3318, 0.1852, 0.1431



Deuteranomaly

9.9814, 0.2211, 0.1801



Tritanomaly

10.3400, 0.3352, 0.2498

Monochromacy



Original Color

10.6067, 0.2781, 0.1685



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.1475, 0.3003, 0.2509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6067, 0.2781, 0.1685 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(132, 59, 161)` looks like.

```
.text, #text, p{  
    color:rgb(132, 59, 161)  
}
```

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(132, 59, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 59, 161) }
```

Border

The CSS property to change the border of an element to Yxy 10.6067, 0.2781, 0.1685 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(132, 59, 161) }
```

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

```
.border{ border-color:rgb(132, 59, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 59, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 59, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 59, 161);  
box-shadow:4px 4px 4px 4px rgb(132, 59,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6067, 0.2781, 0.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 59, 161) }
```

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

```
.background{ background-color: rgb(132, 59,  
161) }
```

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