

Converting Colors

$Y_{xy}(10.2659, 0.1943, 0.0963)$

Have a look what the booklet for
Yxy(10.2659, 0.1943, 0.0963)
contains.

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Color

Yxy(10.2527, 0.1940, 0.0961)

Conversions

Conversions Part 1

Format	Color
Hex	672AE6
RGB	103, 42, 230
RGB Percent	40%, 16%, 90%
CMY	0.5963, 0.8351, 0.0981
CMYK	0.55, 0.82, 0.00, 0.10
HSL	259°, 79%, 53%
HSV	259°, 82%, 90%
XYZ	20.6974, 10.2527, 75.7377
YIQ	81.6710, -23.9920, 71.4000

Conversions

Conversions Part 2

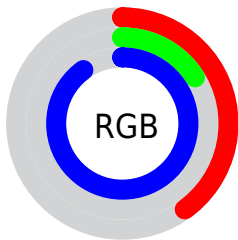
Format	Color
R _Y B	103, 42, 230
Decimal	6761190
CIE Lab	38.29, 66.79, -83.60
CIE LCh	38, 107.007, 308.624
Yxy	10.2527, 0.1940, 0.0961
Android (android.graphics.Color)	4284951270 (0xFF672AE6)
YUV	81.6710, 73.1262, 18.7055
Hunter-Lab	32.0198, 59.3467, -117.8269

Details

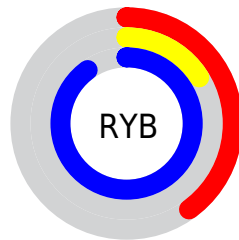
The Yxy color **10.2527, 0.1940, 0.0961** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **65.1969, 0.3675, 0.5314**, and the grayscale version is **8.2279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.8764, 0.2391, 0.1500**, and **3.1556, 0.1541, 0.0622** is the 20% darker color. If you saturate the color by 10%, you get **8.2256, 0.1809, 0.0805**, and if you desaturate by 10%, it is **13.3858, 0.2093, 0.1182**.

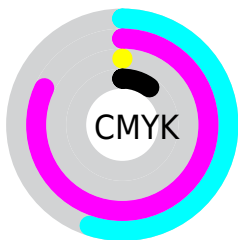
Distribution



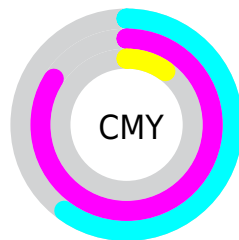
- Red (40%)
- Green (16%)
- Blue (90%)



- Red (40%)
- Yellow (16%)
- Blue (90%)



- Cyan (55%)
- Magenta (82%)
- Yellow (0%)
- Black (10%)





- Cyan (60%)
- Magenta (84%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2527, 0.1940, 0.0961 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 10.2527, 0.1940, 0.0961 by changing the saturation by 10% instead.


 10.2527, 0.1940,
0.0961

 10.2527, 0.1940,
0.0961


192.4662, 0.2641,
0.2046


 5.5668, 0.1752,
0.0749


 26.2697, 0.2210,
0.1317


 2.5835, 0.1513,
0.0520


 38.3697, 0.2308,
0.1464


 0.9184, 0.1212,
0.0290

 53.7098, 0.2389,
0.1592

 0.0000, 0.0853,
0.0000

 72.6744, 0.2456,
0.1706

 0.0000, 0.0374,
0.0000

 95.6480, 0.2514,
0.1806

 0.0000, 0.0000,
0.0000

 123.0149, 0.2562,

0.1895

155.1595, 0.2604,
0.1975

■ 10.2527, 0.1940,
0.0961

■ 10.2527, 0.1940,
0.0961

■ 8.2256, 0.1809,
0.0805

■ 13.3858, 0.2093,
0.1182

■ 7.1885, 0.1720,
0.0721

■ 17.7728, 0.2259,
0.1454

■ 23.5382, 0.2429,
0.1761

■ 30.7911, 0.2593,
0.2082

■ 39.6291, 0.2746,
0.2401

■ 50.1414, 0.2884,
0.2706

■ 62.4106, 0.3005,
0.2990

■ 76.5136, 0.3111,
0.3248

■ 92.5227, 0.3201,
0.3480

Harmonies

Analogous

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



10.2527, 0.0914, 0.0788



10.2527, 0.1940, 0.0961



10.2527, 0.4021, 0.1460

Triad

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



10.2527, 0.1940, 0.0961



10.2527, 0.6015, 0.3985



10.2527, 0.0538, 0.3440

Complementary

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



10.2527, 0.1940, 0.0961



65.1969, 0.3675, 0.5314

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.



10.2527, 0.1289, 0.7163



10.2527, 0.1940, 0.0961



10.2527, 0.4344, 0.5656

Square

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



10.2527, 0.1940, 0.0961



10.2527, 0.7038, 0.2962



10.2527, 0.2575, 0.7425



10.2527, 0.0375, 0.1486

Rectangle

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



10.2527, 0.1940, 0.0961



10.2527, 0.5742, 0.1953



10.2527, 0.2575, 0.7425



10.2527, 0.0706, 0.4643

Sweetspot

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



10.2529, 0.1940, 0.0961



58.5737, 0.2838, 0.2603



35.1331, 0.2050, 0.2425



11.5358, 0.2790, 0.2495



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.



10.2529, 0.1940, 0.0961



9.3124, 0.1735, 0.0736



19.0453, 0.2831, 0.1428



14.1127, 0.3031, 0.3051



4.1291, 0.1735, 0.0729



0.3538, 0.1894, 0.0817

Inverse Universe

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



21.3485, 0.4001, 0.2102



24.4279, 0.4235, 0.2114



58.3090, 0.3117, 0.5727



14.5316, 0.3187, 0.3132



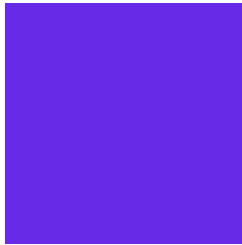
10.8965, 0.4234, 0.2106



0.8221, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 10.2527, 0.1940, 0.0961 looks on a white background.

Color Contrast Check

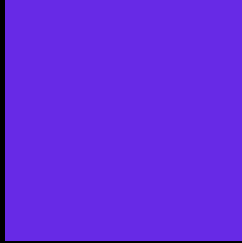
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2527, 0.1940, 0.0961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

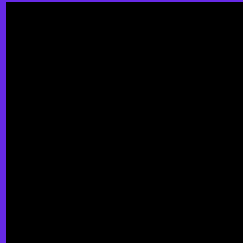
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2527, 0.1940, 0.0961

Background



This preview shows how black text looks on a background with the Yxy color 10.2527, 0.1940, 0.0961.



This preview shows how white text looks on a background with the Yxy color 10.2527, 0.1940, 0.0961.

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

10.2527, 0.1940, 0.0961

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.2446, 0.2539, 0.3105

Trichromacy



Original Color

10.2527, 0.1940, 0.0961



Protanomaly

9.0699, 0.1719, 0.1160



Deuteranomaly

8.7098, 0.1773, 0.1313



Tritanomaly

8.7947, 0.2202, 0.1788

Monochromacy



Original Color

10.2527, 0.1940, 0.0961



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

7.9655, 0.2487, 0.1857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2527, 0.1940, 0.0961 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(103, 42, 230)` looks like.

```
.text, #text, p{  
  color:rgb(103, 42, 230)  
}
```

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(103, 42, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 42, 230) }
```

Border

The CSS property to change the border of an element to Yxy 10.2527, 0.1940, 0.0961 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(103, 42, 230) }
```

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

```
.border{ border-color:rgb(103, 42, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 42, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 42, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 42, 230);  
box-shadow:4px 4px 4px 4px rgb(103, 42,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2527, 0.1940, 0.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 42, 230) }
```

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

```
.background{ background-color: rgb(103, 42,  
230) }
```

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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