

Converting Colors

$Y_{xy}(10.3326, 0.2657, 0.2083)$

Have a look what the booklet for
Yxy(10.3326, 0.2657, 0.2083)
contains.

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Color

Yxy(10.2853, 0.2657, 0.2076)

Conversions

Conversions Part 1

Format	Color
Hex	684E8C
RGB	104, 78, 140
RGB Percent	41%, 31%, 55%
CMY	0.5922, 0.6941, 0.4511
CMYK	0.26, 0.44, 0.00, 0.45
HSL	265°, 28%, 43%
HSV	265°, 44%, 55%
XYZ	13.1638, 10.2853, 26.0947
YIQ	92.8420, -4.4060, 24.7940

Conversions

Conversions Part 2

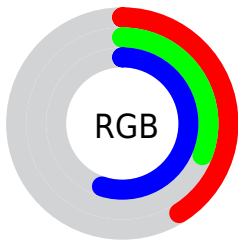
Format	Color
RYB	104, 78, 140
Decimal	6835852
CIELab	38.35, 24.43, -30.52
CIELCh	38, 39.095, 308.669
Yxy	10.2853, 0.2657, 0.2076
Android (android.graphics.Color)	4285025932 (0xFF684E8C)
YUV	92.8420, 23.2489, 9.7856
Hunter-Lab	32.0707, 17.1437, -25.7926

Details

The Yxy color **10.2853, 0.2657, 0.2076** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.8794, 0.3451, 0.4463**, and the grayscale version is **10.8533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5015, 0.2791, 0.2359**, and **2.5933, 0.2386, 0.1600** is the 20% darker color. If you saturate the color by 10%, you get **8.0401, 0.2518, 0.1780**, and if you desaturate by 10%, it is **13.0017, 0.2786, 0.2374**.

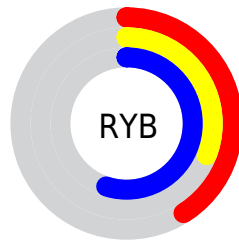
Distribution



Red (41%)

Green (31%)

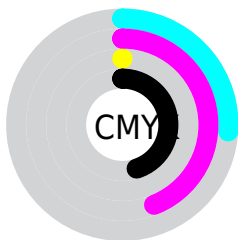
Blue (55%)



Red (41%)

Yellow (31%)

Blue (55%)

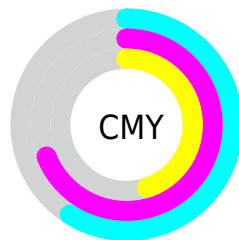


Cyan (26%)

Magenta (44%)

Yellow (0%)

Black (45%)



Cyan (59%)

Magenta (69%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2853, 0.2657, 0.2076 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 10.2853, 0.2657, 0.2076 by changing the saturation by 10% instead.


 10.2853, 0.2657,
0.2076


 10.2853, 0.2657,
0.2076


192.6964, 0.2957,
0.2772


 5.5885, 0.2550,
0.1871


 26.3308, 0.2787,
0.2352

 2.5965, 0.2388,
0.1589

 38.4482, 0.2829,
0.2449

 0.9249, 0.2122,
0.1192

 53.8081, 0.2862,
0.2528

 0.0000, 0.1554,
0.0000

 72.7946, 0.2889,
0.2593

 0.0000, 0.0000,
0.0000

 95.7924, 0.2910,
0.2648

123.1856, 0.2929,

0.2696

155.3588, 0.2944,
0.2736

■ 10.2853, 0.2657,
0.2076

■ 10.2853, 0.2657,
0.2076

■ 8.0401, 0.2518,
0.1780

■ 13.0017, 0.2786,
0.2374

■ 6.2365, 0.2373,
0.1499

■ 16.2140, 0.2902,
0.2663

■ 4.8432, 0.2228,
0.1249

■ 19.9468, 0.3004,
0.2936

■ 3.8242, 0.2090,
0.1044

■ 24.2224, 0.3093,
0.3189

■ 3.1342, 0.1965,
0.0894

■ 29.0620, 0.3169,
0.3419

■ 2.8121, 0.1898,
0.0819

■ 34.4856, 0.3234,
0.3627

■ 40.5121, 0.3289,
0.3814

■ 47.1597, 0.3335,
0.3980

■ 54.4456, 0.3373,
0.4128

Harmonies

Analogous

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



10.2853, 0.2011, 0.1964



10.2853, 0.2657, 0.2076



10.2853, 0.3550, 0.2421

Triad

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



10.2853, 0.2657, 0.2076



10.2853, 0.4760, 0.4196



10.2853, 0.1934, 0.3496

Complementary

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



10.2853, 0.2657, 0.2076



22.8794, 0.3451, 0.4463

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.



10.2853, 0.2559, 0.4470



10.2853, 0.2657, 0.2076



10.2853, 0.4190, 0.4759

Square

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



10.2853, 0.2657, 0.2076



10.2853, 0.4880, 0.3556



10.2853, 0.3387, 0.4958



10.2853, 0.1642, 0.2627

Rectangle

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



10.2853, 0.2657, 0.2076



10.2853, 0.4159, 0.2754



10.2853, 0.3387, 0.4958



10.2853, 0.2108, 0.3836

Sweetspot

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



10.2857, 0.2657, 0.2076



35.8827, 0.3014, 0.2962



15.5845, 0.2459, 0.2755



7.9438, 0.2995, 0.2910



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



10.2857, 0.2657, 0.2076



14.2325, 0.2520, 0.1784



12.4796, 0.3100, 0.2221



4.9880, 0.3051, 0.3068



2.5105, 0.1903, 0.0822



0.0250, 0.2398, 0.1095

Inverse Universe

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



12.2401, 0.3586, 0.2648



18.2600, 0.3735, 0.2515



21.1480, 0.3115, 0.4595



5.0941, 0.3196, 0.3164



5.4905, 0.4572, 0.2292



0.0394, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 10.2853, 0.2657, 0.2076 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 10.2853, 0.2657, 0.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

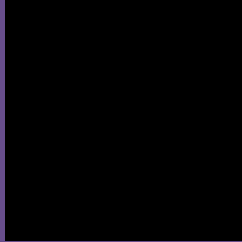
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2853, 0.2657, 0.2076

Background



This preview shows how black text looks on a background with the Yxy color 10.2853, 0.2657, 0.2076.



This preview shows how white text looks on a background with the Yxy color 10.2853, 0.2657, 0.2076.

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

10.2853, 0.2657, 0.2076

Protanopia

10.3076, 0.2176, 0.2009

Deuteranopia

10.3474, 0.2294, 0.2249



Tritanopia

10.2925, 0.3151, 0.3125

Trichromacy



Original Color

10.2853, 0.2657, 0.2076

Protanomaly

10.1214, 0.2318, 0.2011

Deuteranomaly

10.2399, 0.2407, 0.2180

Tritanomaly

10.1410, 0.2964, 0.2688

Monochromacy



Original Color

10.2853, 0.2657, 0.2076

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.6466, 0.2949, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2853, 0.2657, 0.2076 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(104, 78, 140)` looks like.

```
.text, #text, p{  
  color:rgb(104, 78, 140)  
}
```

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(104, 78, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 78, 140) }
```

Border

The CSS property to change the border of an element to Yxy 10.2853, 0.2657, 0.2076 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(104, 78, 140) }
```

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

```
.border{ border-color:rgb(104, 78, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 78, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 78, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 78, 140);  
box-shadow:4px 4px 4px 4px rgb(104, 78,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2853, 0.2657, 0.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 78, 140) }
```

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

```
.background{ background-color: rgb(104, 78,  
140) }
```

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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