

Converting Colors

$Y_{xy}(10.8284, 0.3365, 0.2257)$

Have a look what the booklet for
Yxy(10.8284, 0.3365, 0.2257)
contains.

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Color

Yxy(10.8390, 0.3358, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	89437E
RGB	137, 67, 126
RGB Percent	54%, 26%, 49%
CMY	0.4627, 0.7373, 0.5058
CMYK	0.00, 0.51, 0.08, 0.46
HSL	309°, 34%, 40%
HSV	309°, 51%, 54%
XYZ	16.0908, 10.8390, 20.9880
YIQ	94.6560, 22.7810, 33.1890

Conversions

Conversions Part 2

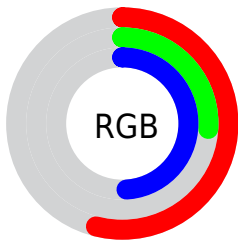
Format	Color
R_{YB}	137, 67, 126
Decimal	8995710
CIE _{Lab}	39.31, 38.20, -20.17
CIE _{LCh}	39, 43.201, 332.163
Yxy	10.8390, 0.3358, 0.2262
Android (android.graphics.Color)	4287185790 (0xFF89437E)
YUV	94.6560, 15.4526, 37.1357
Hunter-Lab	32.9226, 29.6264, -14.7512

Details

The Yxy color **10.8390, 0.3358, 0.2262** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **19.6356, 0.2966, 0.4609**, and the grayscale version is **11.3159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4180, 0.3311, 0.2497**, and **2.8377, 0.3423, 0.1843** is the 20% darker color. If you saturate the color by 10%, you get **9.3439, 0.3415, 0.2095**, and if you desaturate by 10%, it is **12.7217, 0.3304, 0.2451**.

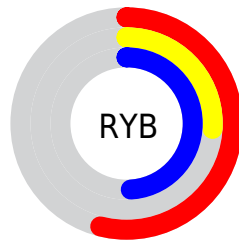
Distribution



Red (54%)

Green (26%)

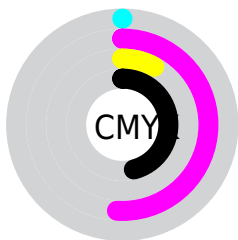
Blue (49%)



Red (54%)

Yellow (26%)

Blue (49%)

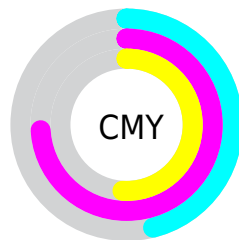


Cyan (0%)

Magenta (51%)

Yellow (8%)

Black (46%)



Cyan (46%)


Magenta (74%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8390, 0.3358, 0.2262 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 10.8390, 0.3358, 0.2262 by changing the saturation by 10% instead.


 10.8390, 0.3358,
0.2262


 10.8390, 0.3358,
0.2262


196.5596, 0.3235,
0.2850


 5.9587, 0.3389,
0.2086


 27.3621, 0.3312,
0.2496


 2.8200, 0.3427,
0.1841

 39.7736, 0.3296,
0.2578


 1.0385, 0.3469,
0.1483

 55.4643, 0.3281,
0.2644

 0.0000, 0.3849,
0.0000

 74.8186, 0.3269,
0.2699

 0.0000, 0.0000,
0.0000

 98.2209, 0.3259,
0.2746

126.0556, 0.3250,

0.2786

158.7070, 0.3242,
0.2820

■ 10.8390, 0.3358,
0.2262

■ 10.8390, 0.3358,
0.2262

■ 9.3439, 0.3415,
0.2095

■ 12.7217, 0.3304,
0.2451

■ 8.2073, 0.3474,
0.1959

■ 15.0154, 0.3253,
0.2654

■ 7.3984, 0.3533,
0.1861

■ 17.7434, 0.3207,
0.2862

■ 6.8806, 0.3589,
0.1804

■ 20.9270, 0.3167,
0.3068

■ 6.5681, 0.3639,
0.1778

■ 24.5859, 0.3131,
0.3269

■ 28.7386, 0.3100,
0.3459

■ 33.4029, 0.3073,
0.3639

■ 38.5954, 0.3050,
0.3805

■ 44.3320, 0.3031,
0.3959

Harmonies

Analogous

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



10.8390, 0.2439, 0.1947



10.8390, 0.3358, 0.2262



10.8390, 0.4350, 0.2778

Triad

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



10.8390, 0.3358, 0.2262



10.8390, 0.4414, 0.4740



10.8390, 0.1576, 0.2733

Complementary

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



10.8390, 0.3358, 0.2262



19.6356, 0.2966, 0.4609

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.



10.8390, 0.1957, 0.3749



10.8390, 0.3358, 0.2262



10.8390, 0.3584, 0.5112

Square

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



10.8390, 0.3358, 0.2262



10.8390, 0.4956, 0.4086



10.8390, 0.2685, 0.4770



10.8390, 0.1544, 0.2118

Rectangle

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



10.8390, 0.3358, 0.2262



10.8390, 0.4830, 0.3190



10.8390, 0.2685, 0.4770



10.8390, 0.1662, 0.3034

Sweetspot

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



10.8395, 0.3358, 0.2262



34.9591, 0.3183, 0.2981



7.4189, 0.2311, 0.1782



7.6094, 0.3191, 0.2944



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.8395, 0.3358, 0.2262



16.4442, 0.3423, 0.2076



10.0967, 0.4005, 0.2841



5.1157, 0.3159, 0.3108



6.1192, 0.3637, 0.1777



0.0423, 0.3404, 0.1649

Inverse Universe

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



10.8395, 0.3358, 0.2262



16.4442, 0.3423, 0.2076



20.2668, 0.2676, 0.3815



5.1157, 0.3159, 0.3108



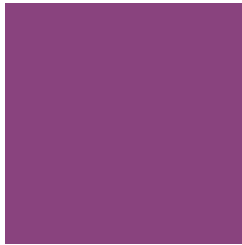
6.1192, 0.3637, 0.1777



0.0423, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 10.8390, 0.3358, 0.2262 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 10.8390, 0.3358, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

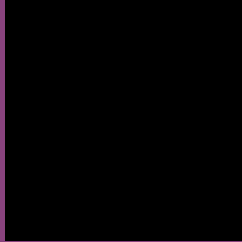
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8390, 0.3358, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 10.8390, 0.3358, 0.2262.



This preview shows how white text looks on a background with the Yxy color 10.8390, 0.3358, 0.2262.

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

10.8390, 0.3358, 0.2262

Protanopia

10.9740, 0.2274, 0.2137

Deuteranopia

11.0857, 0.2664, 0.2620



Tritanopia

10.8378, 0.4024, 0.3176

Trichromacy



Original Color

10.8390, 0.3358, 0.2262

Protanomaly

10.3855, 0.2569, 0.2134

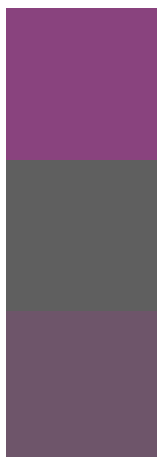
Deuteranomaly

10.6198, 0.2889, 0.2456

Tritanomaly

10.7343, 0.3776, 0.2802

Monochromacy



Original Color

10.8390, 0.3358, 0.2262

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.8526, 0.3213, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8390, 0.3358, 0.2262 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(137, 67, 126)` looks like.

```
.text, #text, p{  
  color:rgb(137, 67, 126)  
}
```

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(137, 67, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 67, 126) }
```

Border

The CSS property to change the border of an element to Yxy 10.8390, 0.3358, 0.2262 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(137, 67, 126) }
```

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

```
.border{ border-color:rgb(137, 67, 126) }
```

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

Here you see how a box with a 4 pixel rgb(137, 67, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 67, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 67, 126);  
box-shadow:4px 4px 4px 4px rgb(137, 67,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8390, 0.3358, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 67, 126) }
```

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

```
.background{ background-color: rgb(137, 67,  
126) }
```

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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