

Converting Colors

$Y_{xy}(10.1392, 0.2650, 0.2169)$

Have a look what the booklet for
Yxy(10.1392, 0.2650, 0.2169)
contains.

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Color

Yxy(10.1392, 0.2650, 0.2169)

Conversions

Conversions Part 1

Format	Color
Hex	635087
RGB	99, 80, 135
RGB Percent	39%, 31%, 53%
CMY	0.6117, 0.6863, 0.4707
CMYK	0.27, 0.41, 0.00, 0.47
HSL	261°, 26%, 42%
HSV	261°, 41%, 53%
XYZ	12.3877, 10.1392, 24.2191
YIQ	91.9510, -6.3310, 21.1330

Conversions

Conversions Part 2

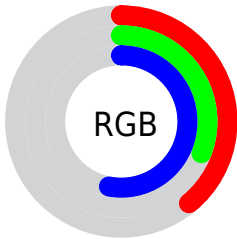
Format	Color
R_{YB}	99, 80, 135
Decimal	6508679
CIE _{Lab}	38.09, 20.35, -27.92
CIE _{LCh}	38, 34.551, 306.094
Yxy	10.1392, 0.2650, 0.2169
Android (android.graphics.Color)	4284698759 (0xFF635087)
YUV	91.9510, 21.2232, 6.1820
Hunter-Lab	31.8421, 13.7190, -22.8065

Details

The Yxy color **10.1392, 0.2650, 0.2169** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.6126, 0.3478, 0.4343**, and the grayscale version is **10.6425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9539, 0.2776, 0.2418**, and **2.5361, 0.2373, 0.1692** is the 20% darker color. If you saturate the color by 10%, you get **7.8871, 0.2499, 0.1862**, and if you desaturate by 10%, it is **12.8436, 0.2789, 0.2471**.

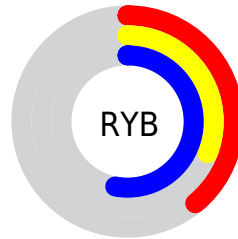
Distribution



 Red (39%)

 Green (31%)

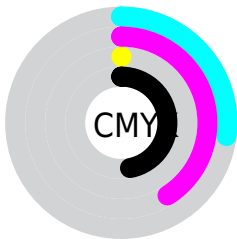
 Blue (53%)




 Red (39%)

 Yellow (31%)

 Blue (53%)

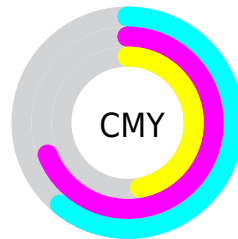



 Cyan (27%)

 Magenta (41%)

 Yellow (0%)

 Black (47%)



 Cyan (61%)

 Magenta (69%)

 Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1392, 0.2650, 0.2169 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 10.1392, 0.2650, 0.2169 by changing the saturation by 10% instead.

10.1392, 0.2650,
0.2169

10.1392, 0.2650,
0.2169

191.6627, 0.2953,
0.2820

5.4913, 0.2542,
0.1971

26.0570, 0.2781,
0.2431

2.5383, 0.2379,
0.1696

38.0957, 0.2823,
0.2521

0.8958, 0.2107,
0.1296

53.3669, 0.2856,
0.2595

0.0000, 0.1325,
0.0000

72.2548, 0.2883,
0.2655

0.0000, 0.0000,
0.0000

95.1440, 0.2905,
0.2707

122.4188, 0.2924,

0.2750

154.4635, 0.2939,
0.2788

■ 10.1392, 0.2650,
0.2169

■ 10.1392, 0.2650,
0.2169

■ 7.8871, 0.2499,
0.1862

■ 12.8436, 0.2789,
0.2471

■ 6.0605, 0.2341,
0.1565

■ 16.0227, 0.2915,
0.2760

■ 4.6313, 0.2183,
0.1292

■ 19.6989, 0.3025,
0.3028

■ 3.5678, 0.2032,
0.1060

■ 23.8926, 0.3121,
0.3273

■ 2.8328, 0.1896,
0.0884

■ 28.6232, 0.3203,
0.3494

■ 2.3458, 0.1787,
0.0758

■ 33.9091, 0.3273,
0.3692

■ 39.7678, 0.3333,
0.3868

■ 46.2159, 0.3383,
0.4024

■ 53.2695, 0.3425,
0.4162

Harmonies

Analogous

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



10.1392, 0.2081, 0.2089



10.1392, 0.2650, 0.2169



10.1392, 0.3437, 0.2470

Triad

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



10.1392, 0.2650, 0.2169



10.1392, 0.4627, 0.4086



10.1392, 0.2096, 0.3557

Complementary

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



10.1392, 0.2650, 0.2169



21.6126, 0.3478, 0.4343

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.



10.1392, 0.2691, 0.4381



10.1392, 0.2650, 0.2169



10.1392, 0.4156, 0.4586

Square

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



10.1392, 0.2650, 0.2169



10.1392, 0.4675, 0.3503



10.1392, 0.3446, 0.4768



10.1392, 0.1792, 0.2765

Rectangle

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



10.1392, 0.2650, 0.2169



10.1392, 0.3981, 0.2769



10.1392, 0.3446, 0.4768



10.1392, 0.2265, 0.3851

Sweetspot

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



10.1396, 0.2650, 0.2169



34.2167, 0.3009, 0.2988



16.0964, 0.2528, 0.2906



7.7517, 0.2997, 0.2960



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.



10.1396, 0.2650, 0.2169



14.3617, 0.2509, 0.1882



11.9078, 0.3036, 0.2285



4.6171, 0.3041, 0.3069



2.1706, 0.1790, 0.0760



0.0113, 0.2266, 0.1022

Inverse Universe

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



12.1467, 0.3467, 0.2631



18.5712, 0.3577, 0.2485



20.0341, 0.3167, 0.4454



4.7362, 0.3186, 0.3149



5.4067, 0.4284, 0.2133



0.0201, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 10.1392, 0.2650, 0.2169 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 10.1392, 0.2650, 0.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

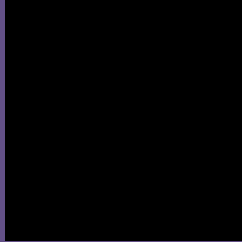
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1392, 0.2650, 0.2169

Background



This preview shows how black text looks on a background with the Yxy color 10.1392, 0.2650, 0.2169.



This preview shows how white text looks on a background with the Yxy color 10.1392, 0.2650, 0.2169.

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

10.1392, 0.2650, 0.2169

Protanopia

10.2345, 0.2265, 0.2127

Deuteranopia

10.1778, 0.2355, 0.2303



Tritanopia

10.2463, 0.3086, 0.3146

Trichromacy



Original Color

10.1392, 0.2650, 0.2169

Protanomaly

10.1104, 0.2395, 0.2142

Deuteranomaly

10.1261, 0.2446, 0.2246

Tritanomaly

10.2143, 0.2918, 0.2744

Monochromacy



Original Color

10.1392, 0.2650, 0.2169

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4951, 0.2946, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1392, 0.2650, 0.2169 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(99, 80, 135) looks like.

```
.text, #text, p{  
    color:rgb(99, 80, 135)  
}
```

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(99, 80, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 80, 135) }
```

Border

The CSS property to change the border of an element to Yxy 10.1392, 0.2650, 0.2169 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(99, 80, 135) }
```

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

```
.border{ border-color:rgb(99, 80, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 80, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 80, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 80, 135);  
box-shadow:4px 4px 4px 4px rgb(99, 80,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1392, 0.2650, 0.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 80, 135) }
```

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

```
.background{ background-color: rgb(99, 80,  
135) }
```

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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