

Converting Colors

$Y_{xy}(13.9008, 0.2399, 0.1695)$

Have a look what the booklet for
Yxy(13.9008, 0.2399, 0.1695)
contains.

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Color

Yxy(13.9364, 0.2393, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	7655BB
RGB	118, 85, 187
RGB Percent	46%, 33%, 73%
CMY	0.5372, 0.6666, 0.2668
CMYK	0.37, 0.55, 0.00, 0.27
HSL	259°, 43%, 53%
HSV	259°, 55%, 73%
XYZ	19.6870, 13.9364, 48.6458
YIQ	106.4950, -13.0740, 38.7180

Conversions

Conversions Part 2

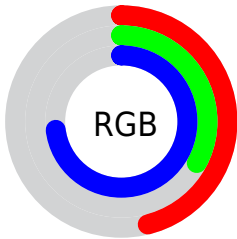
Format	Color
R _Y B	118, 85, 187
Decimal	7755195
CIE Lab	44.14, 36.60, -49.20
CIE LCh	44, 61.325, 306.648
Yxy	13.9364, 0.2393, 0.1694
Android (android.graphics.Color)	4285945275 (0xFF7655BB)
YUV	106.4950, 39.6890, 10.0899
Hunter-Lab	37.3315, 28.8031, -51.1273

Details

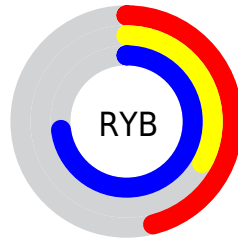
The Yxy color **13.9364, 0.2393, 0.1694** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **43.0478, 0.3598, 0.4733**, and the grayscale version is **14.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1386, 0.2574, 0.2003**, and **4.1697, 0.2081, 0.1232** is the 20% darker color. If you saturate the color by 10%, you get **10.5448, 0.2226, 0.1397**, and if you desaturate by 10%, it is **18.2254, 0.2557, 0.2009**.

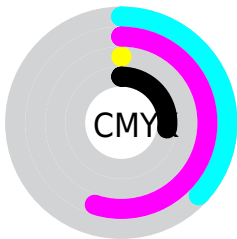
Distribution



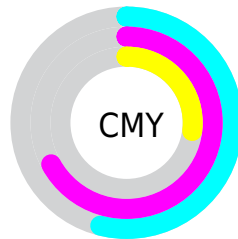
- Red (46%)
- Green (33%)
- Blue (73%)



- Red (46%)
- Yellow (33%)
- Blue (73%)



- Cyan (37%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)




- Cyan (54%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9364, 0.2393, 0.1694 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 13.9364, 0.2393, 0.1694 by changing the saturation by 10% instead.


 13.9364, 0.2393,
0.1694


 13.9364, 0.2393,
0.1694


216.8348, 0.2834,
0.2528


 8.0764, 0.2259,
0.1487


 32.9761, 0.2571,
0.2000


 4.1439, 0.2076,
0.1228


 46.9247, 0.2633,
0.2114


 1.7544, 0.1814,
0.0906

 64.3383, 0.2682,
0.2211

 0.4585, 0.1439,
0.0462

 85.6012, 0.2723,
0.2293

 0.0000, 0.0642,
0.0000

 111.0980, 0.2758,
0.2364

 0.0000, 0.0000,
0.0000

141.2129, 0.2787,

0.2426

176.3304, 0.2812,
0.2480

■ 13.9364, 0.2393,
0.1694

■ 13.9364, 0.2393,
0.1694

■ 10.5448, 0.2226,
0.1397

■ 18.2254, 0.2557,
0.2009

■ 7.9815, 0.2063,
0.1136

■ 23.4705, 0.2711,
0.2326

■ 6.1699, 0.1915,
0.0929

■ 29.7272, 0.2851,
0.2632

■ 5.0169, 0.1790,
0.0786

■ 37.0461, 0.2975,
0.2918

■ 4.5632, 0.1731,
0.0727

■ 45.4745, 0.3083,
0.3180

■ 55.0568, 0.3176,
0.3416

■ 65.8349, 0.3255,
0.3627

■ 77.8484, 0.3323,
0.3814

■ 91.1355, 0.3379,
0.3979

Harmonies

Analogous

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



13.9364, 0.1614, 0.1566



13.9364, 0.2393, 0.1694



13.9364, 0.3599, 0.2100

Triad

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



13.9364, 0.2393, 0.1694



13.9364, 0.5298, 0.4260



13.9364, 0.1545, 0.3631

Complementary

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



13.9364, 0.2393, 0.1694



43.0478, 0.3598, 0.4733

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.



13.9364, 0.2345, 0.5143



13.9364, 0.2393, 0.1694



13.9364, 0.4482, 0.5126

Square

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



13.9364, 0.2393, 0.1694



13.9364, 0.5528, 0.3453



13.9364, 0.3420, 0.5682



13.9364, 0.1203, 0.2380

Rectangle

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



13.9364, 0.2393, 0.1694



13.9364, 0.4487, 0.2499



13.9364, 0.3420, 0.5682



13.9364, 0.1763, 0.4161

Sweetspot

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



13.9369, 0.2393, 0.1694



63.9740, 0.2955, 0.2870



28.8537, 0.2333, 0.2761



13.4716, 0.2930, 0.2812



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.9369, 0.2393, 0.1694



18.1034, 0.2200, 0.1354



18.4394, 0.2963, 0.1922



9.3713, 0.3033, 0.3056



3.1805, 0.1743, 0.0734



0.1607, 0.2025, 0.0889

Inverse Universe

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



19.3904, 0.3619, 0.2374



29.1591, 0.3769, 0.2226



39.1066, 0.3174, 0.4950



9.6423, 0.3186, 0.3136



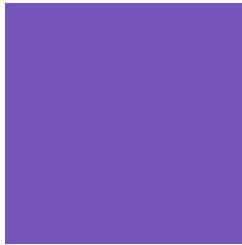
8.3392, 0.4222, 0.2099



0.3382, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 13.9364, 0.2393, 0.1694 looks on a white background.

Color Contrast Check

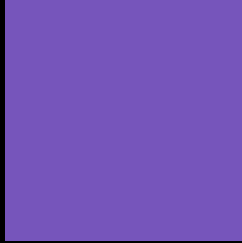
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9364, 0.2393, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

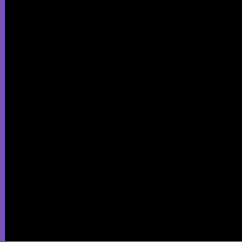
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.9364, 0.2393, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 13.9364, 0.2393, 0.1694.



This preview shows how white text looks on a background with the Yxy color 13.9364, 0.2393, 0.1694.

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

13.9364, 0.2393, 0.1694

Protanopia

14.1327, 0.1848, 0.1589

Deuteranopia

14.1366, 0.1934, 0.1889



Tritanopia

13.8953, 0.2997, 0.3119

Trichromacy



Original Color

13.9364, 0.2393, 0.1694

Protanomaly

13.5177, 0.1970, 0.1595

Deuteranomaly

13.4250, 0.2028, 0.1767

Tritanomaly

13.6016, 0.2750, 0.2474

Monochromacy



Original Color

13.9364, 0.2393, 0.1694

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7996, 0.2822, 0.2567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9364, 0.2393, 0.1694 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(118, 85, 187)` looks like.

```
.text, #text, p{  
    color:rgb(118, 85, 187)  
}
```

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(118, 85, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 85, 187) }
```

Border

The CSS property to change the border of an element to Yxy 13.9364, 0.2393, 0.1694 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(118, 85, 187) }
```

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

```
.border{ border-color:rgb(118, 85, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 85, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 85, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 85, 187);  
box-shadow:4px 4px 4px 4px rgb(118, 85,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9364, 0.2393, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 85, 187) }
```

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

```
.background{ background-color: rgb(118, 85,  
187) }
```

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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