

Converting Colors

$Y_{xy}(13.1644, 0.2566, 0.1756)$

Have a look what the booklet for
Yxy(13.1644, 0.2566, 0.1756)
contains.

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Color

Yxy(13.1622, 0.2565, 0.1755)

Conversions

Conversions Part 1

Format	Color
Hex	7E4FB0
RGB	126, 79, 176
RGB Percent	49%, 31%, 69%
CMY	0.5058, 0.6902, 0.3098
CMYK	0.28, 0.55, 0.00, 0.31
HSL	269°, 38%, 50%
HSV	269°, 55%, 69%
XYZ	19.2371, 13.1622, 42.5990
YIQ	104.1110, -3.1250, 40.1310

Conversions

Conversions Part 2

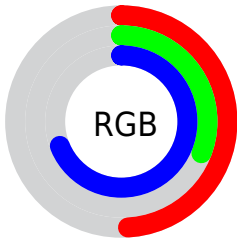
Format	Color
R _Y B	126, 79, 176
Decimal	8277936
CIE Lab	43.01, 39.23, -44.54
CIE LCh	43, 59.351, 311.369
Yxy	13.1622, 0.2565, 0.1755
Android (android.graphics.Color)	4286468016 (0xFF7E4FB0)
YUV	104.1110, 35.4413, 19.1967
Hunter-Lab	36.2797, 31.1587, -44.2214

Details

The Yxy color **13.1622, 0.2565, 0.1755** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **36.2801, 0.3451, 0.4818**, and the grayscale version is **13.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6152, 0.2711, 0.2060**, and **3.8265, 0.2289, 0.1286** is the 20% darker color. If you saturate the color by 10%, you get **10.2925, 0.2431, 0.1485**, and if you desaturate by 10%, it is **16.7675, 0.2693, 0.2045**.

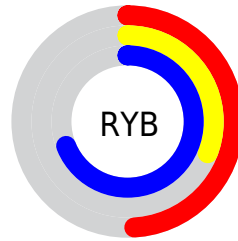
Distribution



Red (49%)

Green (31%)

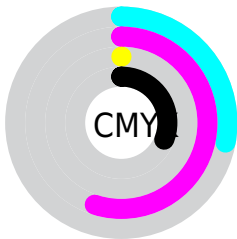
Blue (69%)



Red (49%)

Yellow (31%)

Blue (69%)

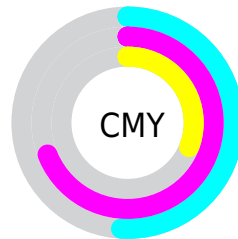


Cyan (28%)

Magenta (55%)

Yellow (0%)

Black (31%)



Cyan (51%)


Magenta (69%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1622, 0.2565, 0.1755 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 13.1622, 0.2565, 0.1755 by changing the saturation by 10% instead.


 13.1622, 0.2565,
0.1755


 13.1622, 0.2565,
0.1755


211.9546, 0.2916,
0.2568


 7.5403, 0.2452,
0.1547


 31.5949, 0.2711,
0.2057

 3.8023, 0.2290,
0.1285


 45.1745, 0.2760,
0.2168


 1.5636, 0.2050,
0.0951

 62.1754, 0.2799,
0.2262

 0.3329, 0.1696,
0.0417

 82.9822, 0.2831,
0.2342

 0.0000, 0.0699,
0.0000

 107.9791, 0.2858,
0.2410

 0.0000, 0.0000,
0.0000

137.5505, 0.2880,

0.2470

172.0809, 0.2899,
0.2522

■ 13.1622, 0.2565,
0.1755

■ 13.1622, 0.2565,
0.1755

■ 10.2925, 0.2431,
0.1485

■ 16.7675, 0.2693,
0.2045

■ 8.1009, 0.2297,
0.1249

■ 21.1568, 0.2811,
0.2341

■ 6.5235, 0.2169,
0.1061

■ 26.3762, 0.2917,
0.2631

■ 5.4812, 0.2051,
0.0928

■ 32.4674, 0.3010,
0.2908

■ 5.0796, 0.1997,
0.0874

■ 39.4696, 0.3091,
0.3166

■ 47.4193, 0.3159,
0.3403

■ 56.3512, 0.3217,
0.3618

■ 66.2979, 0.3265,
0.3810

■ 77.2907, 0.3306,
0.3983

Harmonies

Analogous

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



13.1622, 0.1722, 0.1583



13.1622, 0.2565, 0.1755



13.1622, 0.3805, 0.2198

Triad

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



13.1622, 0.2565, 0.1755



13.1622, 0.5180, 0.4392



13.1622, 0.1480, 0.3395

Complementary

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



13.1622, 0.2565, 0.1755



36.2801, 0.3451, 0.4818

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.



13.1622, 0.2206, 0.4913



13.1622, 0.2565, 0.1755



13.1622, 0.4319, 0.5234

Square

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



13.1622, 0.2565, 0.1755



13.1622, 0.5518, 0.3578



13.1622, 0.3252, 0.5654



13.1622, 0.1204, 0.2257

Rectangle

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



13.1622, 0.2565, 0.1755



13.1622, 0.4659, 0.2613



13.1622, 0.3252, 0.5654



13.1622, 0.1671, 0.3901

Sweetspot

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



13.1627, 0.2565, 0.1755



56.3352, 0.2991, 0.2849



20.5275, 0.2267, 0.2459



11.7307, 0.2973, 0.2796



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.1627, 0.2565, 0.1755



17.7595, 0.2404, 0.1433



17.7688, 0.3167, 0.1997



8.4255, 0.3058, 0.3060



3.7617, 0.2008, 0.0880



0.1531, 0.2327, 0.1056

Inverse Universe

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



16.4063, 0.3872, 0.2576



24.5968, 0.4126, 0.2463



33.3463, 0.3056, 0.5022



8.5759, 0.3209, 0.3173



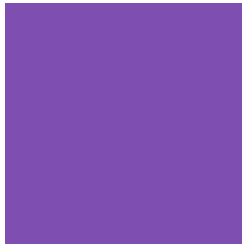
7.3346, 0.4865, 0.2453



0.2425, 0.4286, 0.2135

Previews

White Background



This preview shows how the Yxy color 13.1622, 0.2565, 0.1755 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 13.1622, 0.2565, 0.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

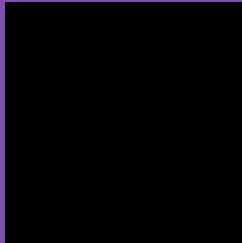
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1622, 0.2565, 0.1755

Background



This preview shows how black text looks on a background with the Yxy color 13.1622, 0.2565, 0.1755.



This preview shows how white text looks on a background with the Yxy color 13.1622, 0.2565, 0.1755.

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

13.1622, 0.2565, 0.1755

Protanopia

13.4900, 0.1873, 0.1624

Deuteranopia

13.4250, 0.2032, 0.1988



Tritanopia

13.0800, 0.3255, 0.3123

Trichromacy



Original Color

13.1622, 0.2565, 0.1755

Protanomaly

12.8243, 0.2027, 0.1633

Deuteranomaly

12.7280, 0.2159, 0.1850

Tritanomaly

12.8026, 0.2975, 0.2502

Monochromacy



Original Color

13.1622, 0.2565, 0.1755

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2409, 0.2906, 0.2599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1622, 0.2565, 0.1755 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(126, 79, 176)` looks like.

```
.text, #text, p{  
  color:rgb(126, 79, 176)  
}
```

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(126, 79, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 79, 176) }
```

Border

The CSS property to change the border of an element to Yxy 13.1622, 0.2565, 0.1755 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(126, 79, 176) }
```

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

```
.border{ border-color:rgb(126, 79, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 79, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 79, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 79, 176);  
box-shadow:4px 4px 4px 4px rgb(126, 79,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1622, 0.2565, 0.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 79, 176) }
```

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

```
.background{ background-color: rgb(126, 79,  
176) }
```

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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