

Converting Colors

$Y_{xy}(13.0215, 0.2576, 0.1526)$

Have a look what the booklet for
Yxy(13.0215, 0.2576, 0.1526)
contains.

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Color

Yxy(13.0737, 0.2584, 0.1535)

Conversions

Conversions Part 1

Format	Color
Hex	8C41BE
RGB	140, 65, 190
RGB Percent	55%, 25%, 75%
CMY	0.4508, 0.7453, 0.2548
CMYK	0.26, 0.66, 0.00, 0.25
HSL	276°, 49%, 50%
HSV	276°, 66%, 75%
XYZ	22.0081, 13.0737, 50.0889
YIQ	101.6750, 4.5750, 54.7750

Conversions

Conversions Part 2

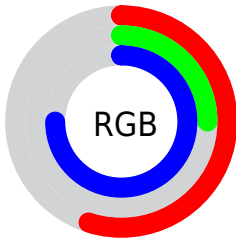
Format	Color
R_{YB}	140, 65, 190
Decimal	9191870
CIE _{Lab}	42.87, 53.27, -52.88
CIE _{LCh}	43, 75.060, 315.205
Yxy	13.0737, 0.2584, 0.1535
Android (android.graphics.Color)	4287381950 (0xFF8C41BE)
YUV	101.6750, 43.5442, 33.6110
Hunter-Lab	36.1576, 45.3722, -56.8238

Details

The Yxy color **13.0737, 0.2584, 0.1535** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **40.8550, 0.3355, 0.5187**, and the grayscale version is **13.0794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5426, 0.2731, 0.1861**, and **3.7740, 0.2311, 0.1061** is the 20% darker color. If you saturate the color by 10%, you get **10.6119, 0.2476, 0.1323**, and if you desaturate by 10%, it is **16.3154, 0.2690, 0.1783**.

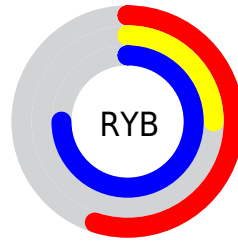
Distribution



Red (55%)

Green (25%)

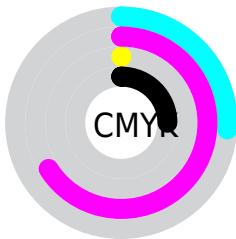
Blue (75%)



Red (55%)

Yellow (25%)

Blue (75%)

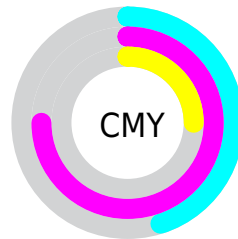


Cyan (26%)

Magenta (66%)

Yellow (0%)

Black (25%)



Cyan (45%)


Magenta (75%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0737, 0.2584, 0.1535 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 13.0737, 0.2584, 0.1535 by changing the saturation by 10% instead.


 13.0737, 0.2584,
0.1535


 13.0737, 0.2584,
0.1535


211.3895, 0.2932,
0.2429


 7.4793, 0.2471,
0.1322


 31.4361, 0.2730,
0.1856


 3.7636, 0.2312,
0.1063


 44.9730, 0.2779,
0.1978

 1.5422, 0.2078,
0.0751

 61.9261, 0.2818,
0.2082

 0.3182, 0.1740,
0.0299

 82.6798, 0.2850,
0.2172

 0.0000, 0.1132,
0.0000

 107.6187, 0.2876,
0.2249

 0.0000, 0.0000,
0.0000

137.1269, 0.2898,

0.2316

171.5891, 0.2916,
0.2376

■ 13.0737, 0.2584,
0.1535

■ 13.0737, 0.2584,
0.1535

■ 10.6119, 0.2476,
0.1323

■ 16.3154, 0.2690,
0.1783

■ 8.8506, 0.2371,
0.1158

■ 20.4028, 0.2790,
0.2054

■ 7.6926, 0.2271,
0.1043

■ 25.3962, 0.2882,
0.2337

■ 7.3032, 0.2231,
0.1003

■ 31.3498, 0.2963,
0.2618

■ 38.3137, 0.3035,
0.2891

■ 46.3340, 0.3096,
0.3148

■ 55.4543, 0.3148,
0.3388

■ 65.7156, 0.3191,
0.3607

■ 77.1567, 0.3226,
0.3806

Harmonies

Analogous

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



13.0737, 0.1551, 0.1304



13.0737, 0.2584, 0.1535



13.0737, 0.4167, 0.2062

Triad

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



13.0737, 0.2584, 0.1535



13.0737, 0.5400, 0.4567



13.0737, 0.1084, 0.3125

Complementary

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



13.0737, 0.2584, 0.1535



40.8550, 0.3355, 0.5187

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.



13.0737, 0.1795, 0.5189



13.0737, 0.2584, 0.1535



13.0737, 0.4253, 0.5701

Square

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



13.0737, 0.2584, 0.1535



13.0737, 0.6003, 0.3579



13.0737, 0.2951, 0.6295



13.0737, 0.0884, 0.1876

Rectangle

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



13.0737, 0.2584, 0.1535



13.0737, 0.5226, 0.2534



13.0737, 0.2951, 0.6295



13.0737, 0.1256, 0.3764

Sweetspot

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



13.0742, 0.2584, 0.1535



63.4969, 0.3004, 0.2769



17.0976, 0.2052, 0.1993



13.1657, 0.2983, 0.2691



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.0742, 0.2584, 0.1535



17.6549, 0.2429, 0.1243



17.9196, 0.3356, 0.1933



9.5010, 0.3076, 0.3059



4.9018, 0.2243, 0.1009



0.2291, 0.2475, 0.1137

Inverse Universe

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



15.9607, 0.4364, 0.2657



23.9007, 0.4803, 0.2625



38.4994, 0.2973, 0.5215



9.5978, 0.3227, 0.3199



7.6399, 0.5351, 0.2722



0.3122, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 13.0737, 0.2584, 0.1535 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 13.0737, 0.2584, 0.1535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

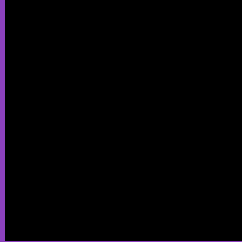
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0737, 0.2584, 0.1535

Background



This preview shows how black text looks on a background with the Yxy color 13.0737, 0.2584, 0.1535.



This preview shows how white text looks on a background with the Yxy color 13.0737, 0.2584, 0.1535.

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

13.0737, 0.2584, 0.1535

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.2386, 0.1854, 0.1801



Tritanopia

13.1088, 0.3527, 0.3152

Trichromacy



Original Color

13.0737, 0.2584, 0.1535



Protanomaly

11.5764, 0.1825, 0.1386



Deuteranomaly

11.7141, 0.1947, 0.1581



Tritanomaly

12.6258, 0.3124, 0.2386

Monochromacy



Original Color

13.0737, 0.2584, 0.1535



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.5790, 0.2908, 0.2426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0737, 0.2584, 0.1535 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(140, 65, 190)` looks like.

```
.text, #text, p{  
    color:rgb(140, 65, 190)  
}
```

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(140, 65, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 65, 190) }
```

Border

The CSS property to change the border of an element to Yxy 13.0737, 0.2584, 0.1535 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(140, 65, 190) }
```

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

```
.border{ border-color:rgb(140, 65, 190) }
```

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

Here you see how a box with a 4 pixel rgb(140, 65, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 65, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 65, 190);  
box-shadow:4px 4px 4px 4px rgb(140, 65,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0737, 0.2584, 0.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 65, 190) }
```

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

```
.background{ background-color: rgb(140, 65,  
190) }
```

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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