

Converting Colors

$Y_{xy}(15.6123, 0.2041, 0.1305)$

Have a look what the booklet for
Yxy(15.6123, 0.2041, 0.1305)
contains.

Yxy(15.5324, 0.2037, 0.1301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5324, 0.2037, 0.1301)

Conversions

Conversions Part 1

Format	Color
Hex	6D54EA
RGB	109, 84, 234
RGB Percent	43%, 33%, 92%
CMY	0.5728, 0.6704, 0.0825
CMYK	0.53, 0.64, 0.00, 0.08
HSL	250°, 78%, 62%
HSV	250°, 64%, 92%
XYZ	24.3194, 15.5324, 79.5364
YIQ	108.5750, -33.2500, 51.9500

Conversions

Conversions Part 2

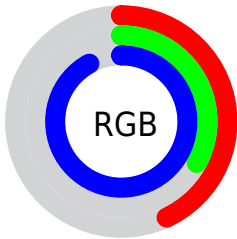
Format	Color
R_{YB}	109, 84, 234
Decimal	7165162
CIE _{Lab}	46.35, 48.65, -72.61
CIE _{LCh}	46, 87.406, 303.824
Yxy	15.5324, 0.2037, 0.1301
Android (android.graphics.Color)	4285355242 (0xFF6D54EA)
YUV	108.5750, 61.8345, 0.3727
Hunter-Lab	39.4112, 41.1771, -92.0664

Details

The Yxy color **15.5324, 0.2037, 0.1301** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **73.0346, 0.3826, 0.4874**, and the grayscale version is **14.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0940, 0.2472, 0.1890**, and **4.8674, 0.1670, 0.0864** is the 20% darker color. If you saturate the color by 10%, you get **11.3834, 0.1862, 0.1026**, and if you desaturate by 10%, it is **21.1694, 0.2229, 0.1620**.

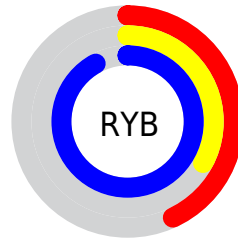
Distribution



Red (43%)

Green (33%)

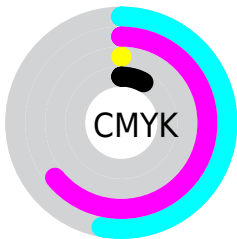
Blue (92%)



Red (43%)

Yellow (33%)

Blue (92%)

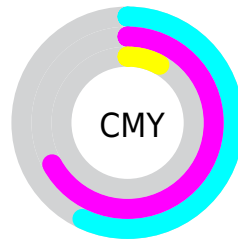


Cyan (53%)

Magenta (64%)

Yellow (0%)

Black (8%)



Cyan (57%)


Magenta (67%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5324, 0.2037, 0.1301 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 15.5324, 0.2037, 0.1301 by changing the saturation by 10% instead.


 15.5324, 0.2037,
0.1301


 15.5324, 0.2037,
0.1301


226.5665, 0.2651,
0.2251

 9.1939, 0.1875,
0.1098


 35.7845, 0.2270,
0.1624


 4.8679, 0.1669,
0.0864


 50.4669, 0.2355,
0.1753


 2.1699, 0.1404,
0.0602

 68.6993, 0.2426,
0.1865

 0.7035, 0.1068,
0.0324

 90.8662, 0.2486,
0.1962

 0.0000, 0.0666,
0.0000

 117.3520, 0.2536,
0.2048

 0.0000, 0.0000,
0.0000

148.5410, 0.2580,

0.2124

184.8177, 0.2618,
0.2191

■ 15.5324, 0.2037,
0.1301

■ 15.5324, 0.2037,
0.1301

■ 11.3834, 0.1862,
0.1026

■ 21.1694, 0.2229,
0.1620

■ 8.5764, 0.1716,
0.0816

■ 28.4186, 0.2424,
0.1960

■ 6.9375, 0.1608,
0.0683


■ 37.3926, 0.2611,
0.2299


■ 6.3677, 0.1564,
0.0635

■ 48.1935, 0.2785,
0.2622

■ 60.9153, 0.2940,
0.2920

 75.6454, 0.3077,
0.3189

 92.4662, 0.3195,
0.3427

 98.7189, 0.3250,
0.3493

Harmonies

Analogous

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



15.5324, 0.1195, 0.1179



15.5324, 0.2037, 0.1301



15.5324, 0.3545, 0.1730

Triad

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



15.5324, 0.2037, 0.1301



15.5324, 0.5853, 0.4119



15.5324, 0.1141, 0.3893

Complementary

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



15.5324, 0.2037, 0.1301



73.0346, 0.3826, 0.4874

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.



15.5324, 0.2077, 0.6155



15.5324, 0.2037, 0.1301



15.5324, 0.4709, 0.5291

Square

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



15.5324, 0.2037, 0.1301



15.5324, 0.6230, 0.3199



15.5324, 0.3358, 0.6431



15.5324, 0.0785, 0.2125

Rectangle

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



15.5324, 0.2037, 0.1301



15.5324, 0.4785, 0.2173



15.5324, 0.3358, 0.6431



15.5324, 0.1388, 0.4713

Sweetspot

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



15.5328, 0.2037, 0.1301



66.0143, 0.2865, 0.2775



54.6534, 0.2294, 0.2991



13.1999, 0.2819, 0.2688



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.5328, 0.2037, 0.1301



12.5499, 0.1810, 0.0949



22.1687, 0.2666, 0.1589



14.6691, 0.3006, 0.3048



3.6154, 0.1573, 0.0640



0.3195, 0.1688, 0.0703

Inverse Universe

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



28.4404, 0.3464, 0.2027



29.6464, 0.3550, 0.1879



64.7475, 0.3308, 0.5191



15.2683, 0.3163, 0.3096



12.0633, 0.3679, 0.1800



0.9587, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 15.5324, 0.2037, 0.1301 looks on a white background.

Color Contrast Check

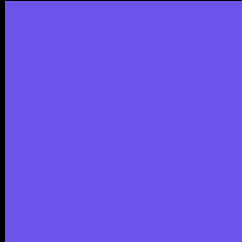
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5324, 0.2037, 0.1301 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 15.5324, 0.2037, 0.1301

Background



This preview shows how black text looks on a background with the Yxy color 15.5324, 0.2037, 0.1301.



This preview shows how white text looks on a background with the Yxy color 15.5324, 0.2037, 0.1301.

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

15.5324, 0.2037, 0.1301

Protanopia

15.4309, 0.1739, 0.1461

Deuteranopia

15.4386, 0.1847, 0.1849



Tritanopia

15.4136, 0.2541, 0.3070

Trichromacy



Original Color

15.5324, 0.2037, 0.1301



Protanomaly

14.5466, 0.1760, 0.1346



Deuteranomaly

14.5079, 0.1827, 0.1558



Tritanomaly

14.5957, 0.2299, 0.2154

Monochromacy



Original Color

15.5324, 0.2037, 0.1301



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.6986, 0.2612, 0.2299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5324, 0.2037, 0.1301 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(109, 84, 234)` looks like.

```
.text, #text, p{  
    color:rgb(109, 84, 234)  
}
```

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(109, 84, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 84, 234) }
```

Border

The CSS property to change the border of an element to Yxy 15.5324, 0.2037, 0.1301 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(109, 84, 234) }
```

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

```
.border{ border-color:rgb(109, 84, 234) }
```

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

Here you see how a box with a 4 pixel rgb(109, 84, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 84, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 84, 234);  
box-shadow:4px 4px 4px 4px rgb(109, 84,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5324, 0.2037, 0.1301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 84, 234) }
```

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

```
.background{ background-color: rgb(109, 84,  
234) }
```

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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