

Converting Colors

$Y_{xy}(14.2223, 0.1938, 0.1215)$

Have a look what the booklet for
Yxy(14.2223, 0.1938, 0.1215)
contains.

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Color

Yxy(14.2223, 0.1938, 0.1215)

Conversions

Conversions Part 1

Format	Color
Hex	6050EB
RGB	96, 80, 235
RGB Percent	38%, 31%, 92%
CMY	0.6236, 0.6862, 0.0784
CMYK	0.59, 0.66, 0.00, 0.08
HSL	246°, 79%, 62%
HSV	246°, 66%, 92%
XYZ	22.6854, 14.2223, 80.1482
YIQ	102.4540, -40.2190, 51.5970

Conversions

Conversions Part 2

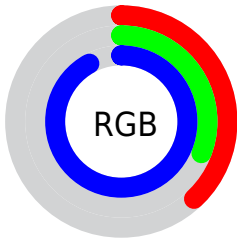
Format	Color
R _Y B	96, 80, 235
Decimal	6312171
CIE Lab	44.55, 49.16, -76.19
CIE LCh	45, 90.669, 302.832
Yxy	14.2223, 0.1938, 0.1215
Android (android.graphics.Color)	4284502251 (0xFF6050EB)
YUV	102.4540, 65.3452, -5.6602
Hunter-Lab	37.7125, 41.3776, -99.6070

Details

The Yxy color **14.2223, 0.1938, 0.1215** 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 **75.0639, 0.3912, 0.4863**, and the grayscale version is **13.2454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8235, 0.2384, 0.1816**, and **4.3021, 0.1549, 0.0777** is the 20% darker color. If you saturate the color by 10%, you get **10.3680, 0.1769, 0.0949**, and if you desaturate by 10%, it is **19.5865, 0.2132, 0.1533**.

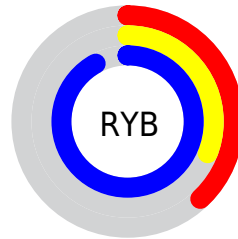
Distribution



Red (38%)

Green (31%)

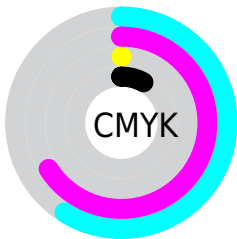
Blue (92%)



Red (38%)

Yellow (31%)

Blue (92%)

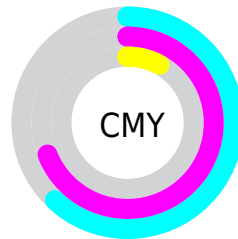


Cyan (59%)

Magenta (66%)

Yellow (0%)

Black (8%)



Cyan (62%)


Magenta (69%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2223, 0.1938, 0.1215 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 14.2223, 0.1938, 0.1215 by changing the saturation by 10% instead.

 14.2223, 0.1938,
0.1215


 14.2223, 0.1938,
0.1215


218.6094, 0.2606,
0.2203


 8.2754, 0.1764,
0.1008

 33.4829, 0.2190,
0.1549


 4.2717, 0.1546,
0.0773


 47.5655, 0.2283,
0.1682

 1.8267, 0.1269,
0.0515

 65.1288, 0.2360,
0.1799

 0.5037, 0.0928,
0.0235

 86.5572, 0.2425,
0.1900

 0.0000, 0.0519,
0.0000

 112.2350, 0.2481,
0.1990

 0.0000, 0.0000,
0.0000

142.5467, 0.2528,

0.2069

177.8767, 0.2570,
0.2140

■ 14.2223, 0.1938,
0.1215

■ 14.2223, 0.1938,
0.1215

■ 10.3680, 0.1769,
0.0949

■ 19.5865, 0.2132,
0.1533

■ 7.8657, 0.1637,
0.0755

■ 26.5948, 0.2336,
0.1877

■ 6.5237, 0.1552,
0.0644

■ 35.3677, 0.2536,
0.2224

■ 6.1949, 0.1529,
0.0616

■ 46.0139, 0.2725,
0.2557

■ 58.6336, 0.2895,
0.2864

■ 73.3196, 0.3047,
0.3141

■ 90.1590, 0.3178,
0.3385

■ 98.7783, 0.3244,
0.3483

Harmonies

Analogous

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



14.2223, 0.1100, 0.1100



14.2223, 0.1938, 0.1215



14.2223, 0.3497, 0.1640

Triad

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



14.2223, 0.1938, 0.1215



14.2223, 0.5965, 0.4035



14.2223, 0.1059, 0.4000

Complementary

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



14.2223, 0.1938, 0.1215



75.0639, 0.3912, 0.4863

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.



14.2223, 0.2019, 0.6440



14.2223, 0.1938, 0.1215



14.2223, 0.4743, 0.5257

Square

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



14.2223, 0.1938, 0.1215



14.2223, 0.6383, 0.3115



14.2223, 0.3363, 0.6617



14.2223, 0.0703, 0.2082

Rectangle

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



14.2223, 0.1938, 0.1215



14.2223, 0.4821, 0.2086



14.2223, 0.3363, 0.6617



14.2223, 0.1312, 0.4904

Sweetspot

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



14.2227, 0.1938, 0.1215



63.9978, 0.2827, 0.2741



58.6304, 0.2303, 0.3086



12.7885, 0.2779, 0.2654



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.



14.2227, 0.1938, 0.1215



11.2842, 0.1719, 0.0874



20.6223, 0.2572, 0.1511



14.6231, 0.2996, 0.3047



3.4731, 0.1536, 0.0620



0.2977, 0.1618, 0.0665

Inverse Universe

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



28.5183, 0.3365, 0.1922



29.8118, 0.3418, 0.1775



65.7489, 0.3355, 0.5213



15.2855, 0.3154, 0.3081



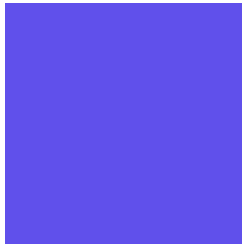
12.4529, 0.3486, 0.1694



0.9856, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 14.2223, 0.1938, 0.1215 looks on a white background.

Color Contrast Check

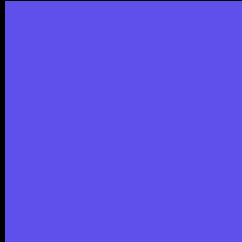
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2223, 0.1938, 0.1215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

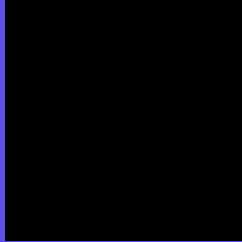
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2223, 0.1938, 0.1215

Background



This preview shows how black text looks on a background with the Yxy color 14.2223, 0.1938, 0.1215.



This preview shows how white text looks on a background with the Yxy color 14.2223, 0.1938, 0.1215.

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

14.2223, 0.1938, 0.1215

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

14.1858, 0.1855, 0.1878



Tritanopia

14.0942, 0.2347, 0.3055

Trichromacy



Original Color

14.2223, 0.1938, 0.1215

Protanomaly

13.4600, 0.1744, 0.1319

Deuteranomaly

13.4045, 0.1810, 0.1532

Tritanomaly

13.3069, 0.2133, 0.2082

Monochromacy



Original Color

14.2223, 0.1938, 0.1215

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9167, 0.2534, 0.2217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2223, 0.1938, 0.1215 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 $rgb(96, 80, 235)$ looks like.

```
.text, #text, p{  
  color:rgb(96, 80, 235)  
}
```

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(96, 80, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 80, 235) }
```

Border

The CSS property to change the border of an element to Yxy 14.2223, 0.1938, 0.1215 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(96, 80, 235) }
```

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

```
.border{ border-color:rgb(96, 80, 235) }
```

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

Here you see how a box with a 4 pixel rgb(96, 80, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 80, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 80, 235);  
box-shadow:4px 4px 4px 4px rgb(96, 80,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2223, 0.1938, 0.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 80, 235) }
```

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

```
.background{ background-color: rgb(96, 80,  
235) }
```

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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