

Converting Colors

$Y_{xy}(12.8169, 0.2235, 0.1582)$

Have a look what the booklet for
Yxy(12.8169, 0.2235, 0.1582)
contains.

Yxy(12.9075, 0.2238, 0.1586)	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(12.9075, 0.2238, 0.1586)

Conversions

Conversions Part 1

Format	Color
Hex	6953BE
RGB	105, 83, 190
RGB Percent	41%, 33%, 75%
CMY	0.5883, 0.6745, 0.2548
CMYK	0.45, 0.56, 0.00, 0.25
HSL	252°, 45%, 54%
HSV	252°, 56%, 75%
XYZ	18.2137, 12.9075, 50.2627
YIQ	101.7760, -21.2350, 37.9410

Conversions

Conversions Part 2

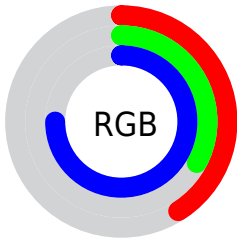
Format	Color
R_{YB}	105, 83, 190
Decimal	6902718
CIE _{Lab}	42.62, 35.58, -53.49
CIE _{LCh}	43, 64.245, 303.625
Yxy	12.9075, 0.2238, 0.1586
Android (android.graphics.Color)	4285092798 (0xFF6953BE)
YUV	101.7760, 43.4944, 2.8274
Hunter-Lab	35.9270, 27.6210, -57.7992

Details

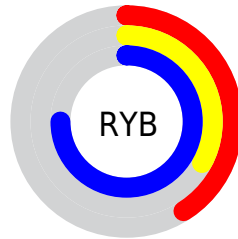
The Yxy color **12.9075, 0.2238, 0.1586** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.7941, 0.3724, 0.4718**, and the grayscale version is **13.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0675, 0.2449, 0.1908**, and **3.7291, 0.1875, 0.1105** is the 20% darker color. If you saturate the color by 10%, you get **9.5534, 0.2054, 0.1280**, and if you desaturate by 10%, it is **17.2216, 0.2425, 0.1915**.

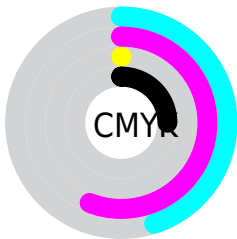
Distribution



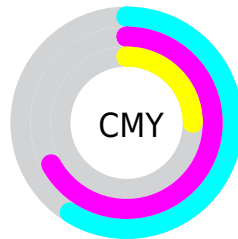
- Red (41%)
- Green (33%)
- Blue (75%)



- Red (41%)
- Yellow (33%)
- Blue (75%)



- Cyan (45%)
- Magenta (56%)
- Yellow (0%)
- Black (25%)





- Cyan (59%)
- Magenta (67%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9075, 0.2238, 0.1586 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 12.9075, 0.2238, 0.1586 by changing the saturation by 10% instead.


 12.9075, 0.2238,
0.1586


 12.9075, 0.2238,
0.1586


210.3240, 0.2766,
0.2475


 7.3649, 0.2082,
0.1368


 31.1375, 0.2449,
0.1910


 3.6913, 0.1871,
0.1101


 44.5937, 0.2523,
0.2032


 1.5024, 0.1577,
0.0776

 61.4565, 0.2583,
0.2135

 0.2904, 0.1181,
0.0290

 82.1103, 0.2632,
0.2223

 0.0000, 0.0208,
0.0000

 106.9396, 0.2674,
0.2299

 0.0000, 0.0000,
0.0000

136.3287, 0.2709,

0.2365

170.6621, 0.2740,
0.2423

■ 12.9075, 0.2238,
0.1586

■ 12.9075, 0.2238,
0.1586

■ 9.5534, 0.2054,
0.1280

■ 17.2216, 0.2425,
0.1915

■ 7.0825, 0.1885,
0.1017

■ 22.5616, 0.2605,
0.2247

■ 5.4082, 0.1742,
0.0818

■ 28.9891, 0.2771,
0.2566

■ 4.4191, 0.1634,
0.0692

■ 36.5604, 0.2921,
0.2863

■ 4.1508, 0.1602,
0.0656

■ 45.3277, 0.3053,
0.3134

■ 55.3402, 0.3167,
0.3376

■ 66.6443, 0.3265,
0.3589

■ 79.2839, 0.3349,
0.3777

■ 93.3008, 0.3421,
0.3941

Harmonies

Analogous

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



12.9075, 0.1477, 0.1481



12.9075, 0.2238, 0.1586



12.9075, 0.3480, 0.1978

Triad

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



12.9075, 0.2238, 0.1586



12.9075, 0.5466, 0.4172



12.9075, 0.1507, 0.3816

Complementary

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



12.9075, 0.2238, 0.1586



45.7941, 0.3724, 0.4718

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.



12.9075, 0.2379, 0.5434



12.9075, 0.2238, 0.1586



12.9075, 0.4628, 0.5112

Square

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



12.9075, 0.2238, 0.1586



12.9075, 0.5661, 0.3348



12.9075, 0.3512, 0.5826



12.9075, 0.1120, 0.2406

Rectangle

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



12.9075, 0.2238, 0.1586



12.9075, 0.4444, 0.2379



12.9075, 0.3512, 0.5826



12.9075, 0.1747, 0.4404

Sweetspot

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



12.9079, 0.2238, 0.1586



64.8301, 0.2907, 0.2836



33.7940, 0.2354, 0.2949



13.5949, 0.2878, 0.2777



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.



12.9079, 0.2238, 0.1586



15.9078, 0.2005, 0.1201



17.1669, 0.2808, 0.1821



9.3172, 0.3015, 0.3055



2.7867, 0.1611, 0.0661



0.1374, 0.1847, 0.0791

Inverse Universe

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



19.9667, 0.3465, 0.2203



30.2461, 0.3566, 0.2025



41.1162, 0.3266, 0.4961



9.6618, 0.3168, 0.3110



8.7761, 0.3800, 0.1867



0.3524, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 12.9075, 0.2238, 0.1586 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 12.9075, 0.2238, 0.1586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

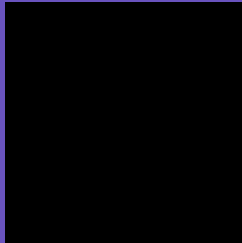
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9075, 0.2238, 0.1586

Background



This preview shows how black text looks on a background with the Yxy color 12.9075, 0.2238, 0.1586.



This preview shows how white text looks on a background with the Yxy color 12.9075, 0.2238, 0.1586.

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

12.9075, 0.2238, 0.1586

Protanopia

13.0673, 0.1761, 0.1484

Deuteranopia

13.0367, 0.1838, 0.1817



Tritanopia

13.0018, 0.2777, 0.3107

Trichromacy



Original Color

12.9075, 0.2238, 0.1586

Protanomaly

12.4528, 0.1838, 0.1480

Deuteranomaly

12.2385, 0.1871, 0.1680

Tritanomaly

12.5345, 0.2544, 0.2392

Monochromacy



Original Color

12.9075, 0.2238, 0.1586

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7892, 0.2739, 0.2505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9075, 0.2238, 0.1586 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(105, 83, 190)` looks like.

```
.text, #text, p{  
    color:rgb(105, 83, 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(105, 83, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 83, 190) }
```

Border

The CSS property to change the border of an element to Yxy 12.9075, 0.2238, 0.1586 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(105, 83, 190) }
```

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

```
.border{ border-color:rgb(105, 83, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 83, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 83, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 83, 190);  
box-shadow:4px 4px 4px 4px rgb(105, 83,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9075, 0.2238, 0.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 83, 190) }
```

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

```
.background{ background-color: rgb(105, 83,  
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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