

Converting Colors

$Y_{xy}(10.0265, 0.2091, 0.1162)$

Have a look what the booklet for
Yxy(10.0265, 0.2091, 0.1162)
contains.

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Color

$Y_{xy}(10.0012, 0.2094, 0.1161)$

Conversions

Conversions Part 1

Format	Color
Hex	6936CC
RGB	105, 54, 204
RGB Percent	41%, 21%, 80%
CMY	0.5884, 0.7881, 0.2000
CMYK	0.49, 0.74, 0.00, 0.20
HSL	260°, 60%, 51%
HSV	260°, 74%, 80%
XYZ	18.0383, 10.0012, 58.1034
YIQ	86.3490, -17.7540, 57.4620

Conversions

Conversions Part 2

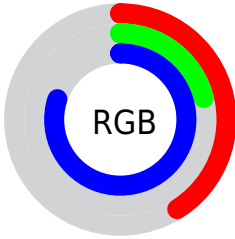
Format	Color
R_{YB}	105, 54, 204
Decimal	6895308
CIE _{Lab}	37.84, 55.25, -69.39
CIE _{LCh}	38, 88.695, 308.527
Yxy	10.0012, 0.2094, 0.1161
Android (android.graphics.Color)	4285085388 (0xFF6936CC)
YUV	86.3490, 58.0019, 16.3569
Hunter-Lab	31.6247, 46.4711, -86.7952

Details

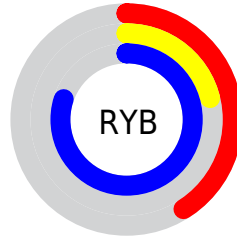
The Yxy color **10.0012, 0.2094, 0.1161** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **50.2315, 0.3652, 0.5180**, and the grayscale version is **9.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.4206, 0.2386, 0.1575**, and **2.5892, 0.1681, 0.0700** is the 20% darker color. If you saturate the color by 10%, you get **7.7312, 0.1945, 0.0951**, and if you desaturate by 10%, it is **13.1970, 0.2256, 0.1424**.

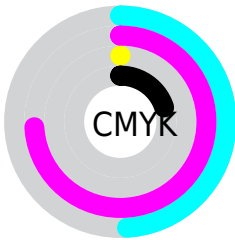
Distribution



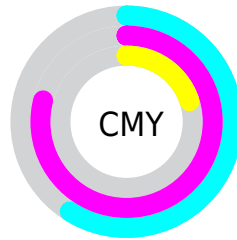
- Red (41%)
- Green (21%)
- Blue (80%)



- Red (41%)
- Yellow (21%)
- Blue (80%)



- Cyan (49%)
- Magenta (74%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (79%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0012, 0.2094, 0.1161 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 10.0012, 0.2094, 0.1161 by changing the saturation by 10% instead.


 10.0012, 0.2094,
0.1161


 10.0012, 0.2094,
0.1161


190.6806, 0.2722,
0.2217


 5.3998, 0.1911,
0.0932


 25.7978, 0.2345,
0.1526

 2.4837, 0.1670,
0.0671


 37.7617, 0.2433,
0.1671


 0.8684, 0.1350,
0.0391

 52.9485, 0.2505,
0.1795

 0.0000, 0.0947,
0.0000

 71.7427, 0.2564,
0.1902

 0.0000, 0.0115,
0.0000

 94.5286, 0.2613,
0.1996

 0.0000, 0.0000,
0.0000

 121.6906, 0.2655,

0.2079

153.6132, 0.2691,
0.2152

■ 10.0012, 0.2094,
0.1161

■ 10.0012, 0.2094,
0.1161

■ 7.7312, 0.1945,
0.0951

■ 13.1970, 0.2256,
0.1424

■ 6.2730, 0.1818,
0.0804

■ 17.4120, 0.2421,
0.1723

■ 5.6338, 0.1748,
0.0736

■ 22.7288, 0.2582,
0.2038

■ 29.2211, 0.2733,
0.2354

■ 36.9559, 0.2869,
0.2659

■ 45.9952, 0.2989,
0.2944

■ 56.3968, 0.3094,
0.3205

■ 68.2149, 0.3184,
0.3440

■ 81.5007, 0.3260,
0.3650

Harmonies

Analogous

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



10.0012, 0.1107, 0.0987



10.0012, 0.2094, 0.1161



10.0012, 0.3917, 0.1654

Triad

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



10.0012, 0.2094, 0.1161



10.0012, 0.5847, 0.4153



10.0012, 0.0803, 0.3510

Complementary

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



10.0012, 0.2094, 0.1161



50.2315, 0.3652, 0.5180

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.



10.0012, 0.1637, 0.6436



10.0012, 0.2094, 0.1161



10.0012, 0.4438, 0.5562

Square

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



10.0012, 0.2094, 0.1161



10.0012, 0.6607, 0.3171



10.0012, 0.2960, 0.7040



10.0012, 0.0570, 0.1740

Rectangle

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



10.0012, 0.2094, 0.1161



10.0012, 0.5361, 0.2137



10.0012, 0.2960, 0.7040



10.0012, 0.1004, 0.4475

Sweetspot

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



10.0015, 0.2094, 0.1161



62.9177, 0.2885, 0.2695



28.2595, 0.2112, 0.2489



12.6531, 0.2849, 0.2614



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.



10.0015, 0.2094, 0.1161



11.2912, 0.1870, 0.0860



16.5856, 0.2904, 0.1563



11.0260, 0.3034, 0.3054



3.5925, 0.1761, 0.0744



0.2270, 0.1985, 0.0867

Inverse Universe

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



17.7817, 0.3915, 0.2177



25.4667, 0.4148, 0.2120



45.1140, 0.3129, 0.5538



11.3365, 0.3189, 0.3138



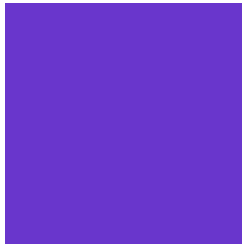
9.1946, 0.4287, 0.2135



0.4882, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 10.0012, 0.2094, 0.1161 looks on a white background.

Color Contrast Check

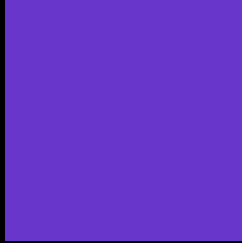
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 10.0012, 0.2094, 0.1161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

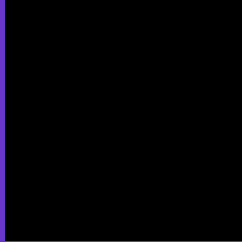
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0012, 0.2094, 0.1161

Background



This preview shows how black text looks on a background with the Yxy color 10.0012, 0.2094, 0.1161.



This preview shows how white text looks on a background with the Yxy color 10.0012, 0.2094, 0.1161.

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

10.0012, 0.2094, 0.1161

Protanopia

9.9918, 0.1750, 0.1498

Deuteranopia

10.0546, 0.1863, 0.1906



Tritanopia

9.9195, 0.2792, 0.3086

Trichromacy



Original Color

10.0012, 0.2094, 0.1161



Protanomaly

8.9838, 0.1760, 0.1272



Deuteranomaly

8.8780, 0.1826, 0.1465



Tritanomaly

9.2812, 0.2465, 0.2048

Monochromacy



Original Color

10.0012, 0.2094, 0.1161



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

8.8097, 0.2624, 0.2116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0012, 0.2094, 0.1161 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, 54, 204)` looks like.

```
.text, #text, p{  
    color:rgb(105, 54, 204)  
}
```

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, 54, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 54, 204) }
```

Border

The CSS property to change the border of an element to Yxy 10.0012, 0.2094, 0.1161 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, 54, 204) }
```

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

```
.border{ border-color:rgb(105, 54, 204) }
```

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

Here you see how a box with a 4 pixel rgb(105, 54, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 54, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 54, 204);  
box-shadow:4px 4px 4px 4px rgb(105, 54,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0012, 0.2094, 0.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 54, 204) }
```

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

```
.background{ background-color: rgb(105, 54,  
204) }
```

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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