

Converting Colors

$Y_{xy}(10.7082, 0.2225, 0.1473)$

Have a look what the booklet for
Yxy(10.7082, 0.2225, 0.1473)
contains.

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Color

Yxy(10.6921, 0.2219, 0.1467)

Conversions

Conversions Part 1

Format	Color
Hex	6547B7
RGB	101, 71, 183
RGB Percent	40%, 28%, 72%
CMY	0.6037, 0.7217, 0.2823
CMYK	0.45, 0.61, 0.00, 0.28
HSL	256°, 44%, 50%
HSV	256°, 61%, 72%
XYZ	16.1730, 10.6921, 46.0190
YIQ	92.7380, -18.0720, 41.1920

Conversions

Conversions Part 2

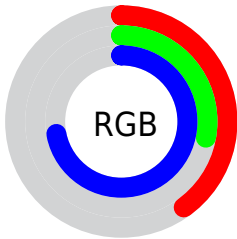
Format	Color
R_{YB}	101, 71, 183
Decimal	6637495
CIE _{Lab}	39.06, 39.75, -55.17
CIE _{LCh}	39, 67.997, 305.778
Yxy	10.6921, 0.2219, 0.1467
Android (android.graphics.Color)	4284827575 (0xFF6547B7)
YUV	92.7380, 44.4992, 7.2458
Hunter-Lab	32.6988, 31.0642, -60.5534

Details

The Yxy color **10.6921, 0.2219, 0.1467** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **41.0932, 0.3690, 0.4861**, and the grayscale version is **10.7806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1341, 0.2442, 0.1817**, and **2.7518, 0.1819, 0.0947** is the 20% darker color. If you saturate the color by 10%, you get **7.9944, 0.2047, 0.1186**, and if you desaturate by 10%, it is **14.2172, 0.2396, 0.1779**.

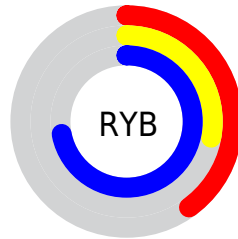
Distribution



Red (40%)

Green (28%)

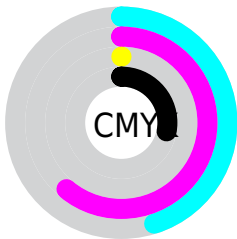
Blue (72%)



Red (40%)

Yellow (28%)

Blue (72%)

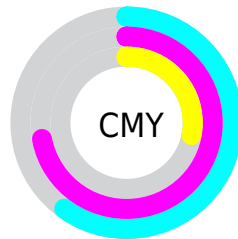


Cyan (45%)

Magenta (61%)

Yellow (0%)

Black (28%)



Cyan (60%)


Magenta (72%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6921, 0.2219, 0.1467 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 10.6921, 0.2219, 0.1467 by changing the saturation by 10% instead.


 10.6921, 0.2219,
0.1467


 10.6921, 0.2219,
0.1467


195.5428, 0.2773,
0.2425

 5.8602, 0.2050,
0.1233


 27.0894, 0.2444,
0.1817


 2.7603, 0.1818,
0.0949

 39.4236, 0.2522,
0.1948


 1.0079, 0.1494,
0.0614

 55.0273, 0.2585,
0.2060

 0.0000, 0.1071,
0.0000

 74.2849, 0.2636,
0.2155

 0.0000, 0.0000,
0.0000

 97.5809, 0.2679,
0.2237

125.2996, 0.2715,

0.2308

157.8255, 0.2746,
0.2370

■ 10.6921, 0.2219,
0.1467

■ 10.6921, 0.2219,
0.1467

■ 7.9944, 0.2047,
0.1186

■ 14.2172, 0.2396,
0.1779

■ 6.0519, 0.1890,
0.0955

■ 18.6314, 0.2568,
0.2103

■ 4.7809, 0.1758,
0.0789

■ 23.9916, 0.2728,
0.2423

■ 4.0760, 0.1665,
0.0691

■ 30.3497, 0.2874,
0.2726

■ 37.7536, 0.3003,
0.3007

■ 46.2481, 0.3115,
0.3261

■ 55.8756, 0.3211,
0.3488

■ 66.6758, 0.3293,
0.3689

■ 78.6869, 0.3363,
0.3866

Harmonies

Analogous

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



10.6921, 0.1379, 0.1332



10.6921, 0.2219, 0.1467



10.6921, 0.3622, 0.1899

Triad

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



10.6921, 0.2219, 0.1467



10.6921, 0.5618, 0.4235



10.6921, 0.1292, 0.3719

Complementary

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



10.6921, 0.2219, 0.1467



41.0932, 0.3690, 0.4861

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.



10.6921, 0.2169, 0.5661



10.6921, 0.2219, 0.1467



10.6921, 0.4654, 0.5346

Square

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



10.6921, 0.2219, 0.1467



10.6921, 0.5945, 0.3341



10.6921, 0.3368, 0.6143



10.6921, 0.0947, 0.2203

Rectangle

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



10.6921, 0.2219, 0.1467



10.6921, 0.4709, 0.2331



10.6921, 0.3368, 0.6143



10.6921, 0.1524, 0.4402

Sweetspot

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



10.6924, 0.2219, 0.1467



58.0243, 0.2913, 0.2811



27.5853, 0.2277, 0.2784



12.0077, 0.2874, 0.2727



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.6924, 0.2219, 0.1467



13.1416, 0.1998, 0.1111



15.0776, 0.2864, 0.1750



8.8330, 0.3025, 0.3057



2.8724, 0.1676, 0.0697



0.1327, 0.1966, 0.0857

Inverse Universe

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



16.8696, 0.3607, 0.2211



25.4474, 0.3748, 0.2066



36.8754, 0.3208, 0.5139



9.1205, 0.3177, 0.3124



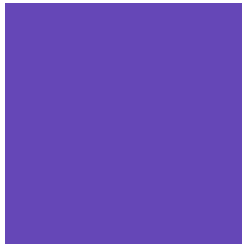
8.2331, 0.4017, 0.1986



0.3000, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 10.6921, 0.2219, 0.1467 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 10.6921, 0.2219, 0.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

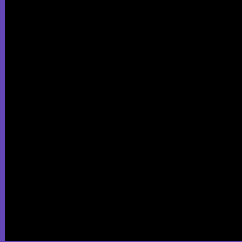
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6921, 0.2219, 0.1467

Background



This preview shows how black text looks on a background with the Yxy color 10.6921, 0.2219, 0.1467.



This preview shows how white text looks on a background with the Yxy color 10.6921, 0.2219, 0.1467.

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

10.6921, 0.2219, 0.1467

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.6857, 0.1845, 0.1842



Tritanopia

10.6702, 0.2814, 0.3093

Trichromacy



Original Color

10.6921, 0.2219, 0.1467

Protanomaly

9.9731, 0.1798, 0.1418

Deuteranomaly

9.9892, 0.1867, 0.1630

Tritanomaly

10.3690, 0.2562, 0.2320

Monochromacy



Original Color

10.6921, 0.2219, 0.1467

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.4902, 0.2723, 0.2413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6921, 0.2219, 0.1467 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(101, 71, 183)` looks like.

```
.text, #text, p{  
    color:rgb(101, 71, 183)  
}
```

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(101, 71, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 71, 183) }
```

Border

The CSS property to change the border of an element to Yxy 10.6921, 0.2219, 0.1467 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(101, 71, 183) }
```

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

```
.border{ border-color:rgb(101, 71, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 71, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 71, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 71, 183);  
box-shadow:4px 4px 4px 4px rgb(101, 71,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6921, 0.2219, 0.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 71, 183) }
```

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

```
.background{ background-color: rgb(101, 71,  
183) }
```

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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