

Converting Colors

$Y_{xy}(10.7715, 0.2225, 0.1456)$

Have a look what the booklet for
Yxy(10.7715, 0.2225, 0.1456)
contains.

Yxy(10.7246, 0.2230, 0.1455)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7246, 0.2230, 0.1455)

Conversions

Conversions Part 1

Format	Color
Hex	6746B8
RGB	103, 70, 184
RGB Percent	40%, 27%, 72%
CMY	0.5960, 0.7255, 0.2785
CMYK	0.44, 0.62, 0.00, 0.28
HSL	257°, 45%, 50%
HSV	257°, 62%, 72%
XYZ	16.4370, 10.7246, 46.5470
YIQ	92.8630, -16.9260, 42.4500

Conversions

Conversions Part 2

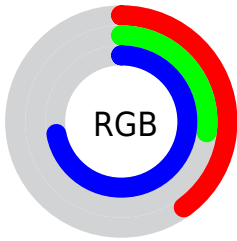
Format	Color
R_{YB}	103, 70, 184
Decimal	6768312
CIE _{Lab}	39.11, 41.01, -55.64
CIE _{LCh}	39, 69.123, 306.394
Yxy	10.7246, 0.2230, 0.1455
Android (android.graphics.Color)	4284958392 (0xFF6746B8)
YUV	92.8630, 44.9305, 8.8901
Hunter-Lab	32.7484, 32.2825, -61.3479

Details

The Yxy color **10.7246, 0.2230, 0.1455** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **41.2950, 0.3672, 0.4891**, and the grayscale version is **10.8099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1547, 0.2450, 0.1804**, and **2.7824, 0.1832, 0.0941** is the 20% darker color. If you saturate the color by 10%, you get **8.0519, 0.2061, 0.1179**, and if you desaturate by 10%, it is **14.2238, 0.2403, 0.1763**.

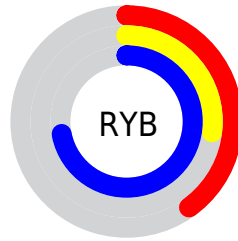
Distribution



Red (40%)

Green (27%)

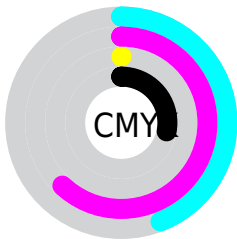
Blue (72%)



Red (40%)

Yellow (27%)

Blue (72%)

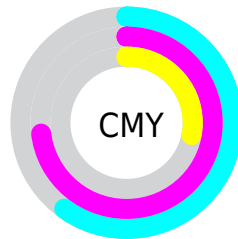


Cyan (44%)

Magenta (62%)

Yellow (0%)

Black (28%)



Cyan (60%)


Magenta (73%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7246, 0.2230, 0.1455 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 10.7246, 0.2230, 0.1455 by changing the saturation by 10% instead.


 10.7246, 0.2230,
0.1455


 10.7246, 0.2230,
0.1455


195.7683, 0.2779,
0.2416


 5.8820, 0.2062,
0.1222


 27.1498, 0.2453,
0.1805


 2.7734, 0.1833,
0.0939

 39.5011, 0.2530,
0.1937


 1.0146, 0.1512,
0.0607

 55.1241, 0.2592,
0.2049

 0.0000, 0.1092,
0.0000

 74.4032, 0.2643,
0.2144

 0.0000, 0.0000,
0.0000

 97.7228, 0.2685,
0.2226

125.4672, 0.2721,

0.2298

158.0209, 0.2752,
0.2361

■ 10.7246, 0.2230,
0.1455

■ 10.7246, 0.2230,
0.1455

■ 8.0519, 0.2061,
0.1179

■ 14.2238, 0.2403,
0.1763

■ 6.1323, 0.1907,
0.0954

■ 18.6120, 0.2572,
0.2084

■ 4.8805, 0.1776,
0.0793

■ 23.9468, 0.2729,
0.2402

■ 4.2260, 0.1690,
0.0704

■ 30.2805, 0.2872,
0.2706

■ 37.6617, 0.2998,
0.2987

■ 46.1355, 0.3108,
0.3243

■ 55.7444, 0.3202,
0.3472

■ 66.5289, 0.3282,
0.3676

■ 78.5271, 0.3350,
0.3856

Harmonies

Analogous

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



10.7246, 0.1374, 0.1313



10.7246, 0.2230, 0.1455



10.7246, 0.3661, 0.1895

Triad

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



10.7246, 0.2230, 0.1455



10.7246, 0.5630, 0.4256



10.7246, 0.1257, 0.3681

Complementary

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



10.7246, 0.2230, 0.1455



41.2950, 0.3672, 0.4891

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.



10.7246, 0.2127, 0.5674



10.7246, 0.2230, 0.1455



10.7246, 0.4627, 0.5373

Square

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



10.7246, 0.2230, 0.1455



10.7246, 0.5983, 0.3348



10.7246, 0.3333, 0.6191



10.7246, 0.0924, 0.2164

Rectangle

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



10.7246, 0.2230, 0.1455



10.7246, 0.4763, 0.2332



10.7246, 0.3333, 0.6191



10.7246, 0.1486, 0.4375

Sweetspot

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



10.7249, 0.2230, 0.1455



58.2436, 0.2907, 0.2782



27.1189, 0.2261, 0.2743



11.7810, 0.2869, 0.2700



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.



10.7249, 0.2230, 0.1455



13.3130, 0.2008, 0.1099



15.2405, 0.2883, 0.1744



8.8422, 0.3028, 0.3057



2.9448, 0.1701, 0.0711



0.1365, 0.2000, 0.0875

Inverse Universe

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



16.8016, 0.3653, 0.2229



25.5967, 0.3811, 0.2089



37.1365, 0.3193, 0.5171



9.1172, 0.3180, 0.3129



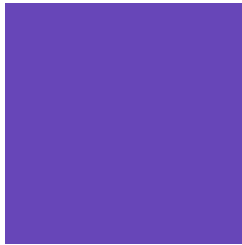
8.1592, 0.4094, 0.2029



0.2978, 0.3817, 0.1876

Previews

White Background



This preview shows how the Yxy color 10.7246, 0.2230, 0.1455 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 10.7246, 0.2230, 0.1455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

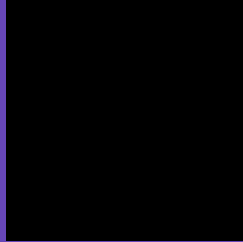
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7246, 0.2230, 0.1455

Background



This preview shows how black text looks on a background with the Yxy color 10.7246, 0.2230, 0.1455.



This preview shows how white text looks on a background with the Yxy color 10.7246, 0.2230, 0.1455.

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

10.7246, 0.2230, 0.1455

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.6857, 0.1845, 0.1842



Tritanopia

10.7388, 0.2855, 0.3118

Trichromacy



Original Color

10.7246, 0.2230, 0.1455



Protanomaly

10.0158, 0.1795, 0.1410



Deuteranomaly

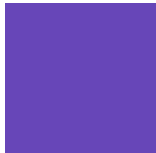
9.8306, 0.1862, 0.1611



Tritanomaly

10.3094, 0.2585, 0.2305

Monochromacy



Original Color

10.7246, 0.2230, 0.1455



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.5447, 0.2737, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7246, 0.2230, 0.1455 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(103, 70, 184)` looks like.

```
.text, #text, p{  
    color:rgb(103, 70, 184)  
}
```

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(103, 70, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 70, 184) }
```

Border

The CSS property to change the border of an element to Yxy 10.7246, 0.2230, 0.1455 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(103, 70, 184) }
```

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

```
.border{ border-color:rgb(103, 70, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 70, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 70, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 70, 184);  
box-shadow:4px 4px 4px 4px rgb(103, 70,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7246, 0.2230, 0.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 70, 184) }
```

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

```
.background{ background-color: rgb(103, 70,  
184) }
```

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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