

Converting Colors

$Y_{xy}(10.1775, 0.2221, 0.1296)$

Have a look what the booklet for
Yxy(10.1775, 0.2221, 0.1296)
contains.

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Color

Yxy(10.2487, 0.2225, 0.1303)

Conversions

Conversions Part 1

Format	Color
Hex	6E3BC0
RGB	110, 59, 192
RGB Percent	43%, 23%, 75%
CMY	0.5688, 0.7684, 0.2472
CMYK	0.43, 0.69, 0.00, 0.25
HSL	263°, 53%, 49%
HSV	263°, 69%, 75%
XYZ	17.5007, 10.2487, 50.9053
YIQ	89.4110, -12.2970, 52.1750

Conversions

Conversions Part 2

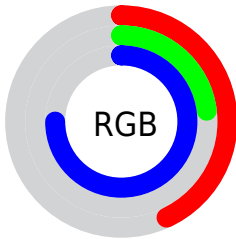
Format	Color
R_{YB}	110, 59, 192
Decimal	7224256
CIE _{Lab}	38.29, 50.46, -61.63
CIE _{LCh}	38, 79.655, 309.311
Yxy	10.2487, 0.2225, 0.1303
Android (android.graphics.Color)	4285414336 (0xFF6E3BC0)
YUV	89.4110, 50.5764, 18.0566
Hunter-Lab	32.0136, 41.5556, -71.8684

Details

The Yxy color **10.2487, 0.2225, 0.1303** 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 **43.6696, 0.3593, 0.5122**, and the grayscale version is **9.9760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2069, 0.2452, 0.1664**, and **2.5751, 0.1828, 0.0796** is the 20% darker color. If you saturate the color by 10%, you get **7.9144, 0.2075, 0.1072**, and if you desaturate by 10%, it is **13.4107, 0.2381, 0.1577**.

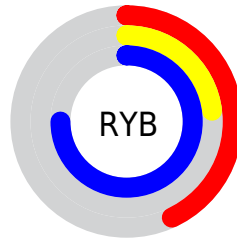
Distribution



Red (43%)

Green (23%)

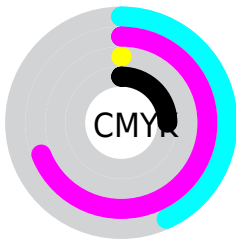
Blue (75%)



Red (43%)

Yellow (23%)

Blue (75%)

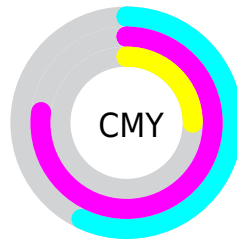


Cyan (43%)

Magenta (69%)

Yellow (0%)

Black (25%)



Cyan (57%)


Magenta (77%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2487, 0.2225, 0.1303 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 10.2487, 0.2225, 0.1303 by changing the saturation by 10% instead.


 10.2487, 0.2225,
0.1303


 10.2487, 0.2225,
0.1303


 192.4380, 0.2783,
0.2317

 5.5642, 0.2055,
0.1070


 26.2622, 0.2452,
0.1663


 2.5819, 0.1825,
0.0795

 38.3600, 0.2530,
0.1802


 0.9176, 0.1506,
0.0487

 53.6977, 0.2594,
0.1921

 0.0000, 0.1091,
0.0000

 72.6596, 0.2645,
0.2023

 0.0000, 0.0000,
0.0000

 95.6302, 0.2689,
0.2111

 122.9939, 0.2725,

0.2188

155.1350, 0.2756,
0.2256

■ 10.2487, 0.2225,
0.1303

■ 10.2487, 0.2225,
0.1303

■ 7.9144, 0.2075,
0.1072

■ 13.4107, 0.2381,
0.1577

■ 6.3187, 0.1939,
0.0899

■ 17.4746, 0.2536,
0.1878

■ 5.3082, 0.1823,
0.0782

■ 22.5070, 0.2683,
0.2189

■ 5.2408, 0.1815,
0.0774

■ 28.5680, 0.2818,
0.2495

■ 35.7126, 0.2938,
0.2788

■ 43.9917, 0.3043,
0.3060

■ 53.4531, 0.3134,
0.3308

■ 64.1418, 0.3211,
0.3532

■ 76.1003, 0.3276,
0.3732

Harmonies

Analogous

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



10.2487, 0.1255, 0.1124



10.2487, 0.2225, 0.1303



10.2487, 0.3908, 0.1794

Triad

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



10.2487, 0.2225, 0.1303



10.2487, 0.5720, 0.4280



10.2487, 0.0966, 0.3470

Complementary

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



10.2487, 0.2225, 0.1303



43.6696, 0.3593, 0.5122

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.



10.2487, 0.1798, 0.5976



10.2487, 0.2225, 0.1303



10.2487, 0.4450, 0.5550

Square

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



10.2487, 0.2225, 0.1303



10.2487, 0.6340, 0.3308



10.2487, 0.3081, 0.6718



10.2487, 0.0710, 0.1869

Rectangle

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



10.2487, 0.2225, 0.1303



10.2487, 0.5189, 0.2267



10.2487, 0.3081, 0.6718



10.2487, 0.1171, 0.4295

Sweetspot

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



10.2490, 0.2225, 0.1303



61.8509, 0.2914, 0.2728



24.4498, 0.2137, 0.2468



12.4780, 0.2881, 0.2647



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.



10.2490, 0.2225, 0.1303



12.7172, 0.2004, 0.0976



15.9641, 0.2979, 0.1663



9.9318, 0.3042, 0.3056



3.5695, 0.1828, 0.0781



0.1939, 0.2090, 0.0925

Inverse Universe

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



16.2603, 0.3945, 0.2282



24.9162, 0.4206, 0.2205



39.5692, 0.3113, 0.5433



10.1800, 0.3195, 0.3149



8.4441, 0.4455, 0.2228



0.3780, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 10.2487, 0.2225, 0.1303 looks on a white background.

Color Contrast Check

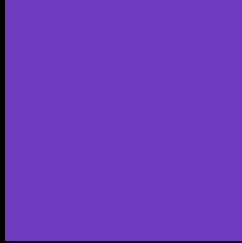
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2487, 0.2225, 0.1303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

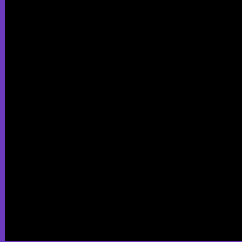
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2487, 0.2225, 0.1303

Background



This preview shows how black text looks on a background with the Yxy color 10.2487, 0.2225, 0.1303.



This preview shows how white text looks on a background with the Yxy color 10.2487, 0.2225, 0.1303.

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

10.2487, 0.2225, 0.1303

Protanopia

10.2771, 0.1747, 0.1489

Deuteranopia

10.3668, 0.1854, 0.1873



Tritanopia

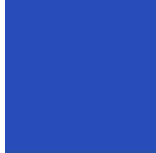
10.2501, 0.2994, 0.3120

Trichromacy



Original Color

10.2487, 0.2225, 0.1303



Protanomaly

9.3467, 0.1785, 0.1335



Deuteranomaly

9.3145, 0.1852, 0.1532



Tritanomaly

9.7447, 0.2641, 0.2184

Monochromacy



Original Color

10.2487, 0.2225, 0.1303



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.4965, 0.2726, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2487, 0.2225, 0.1303 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(110, 59, 192)` looks like.

```
.text, #text, p{  
    color:rgb(110, 59, 192)  
}
```

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(110, 59, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 59, 192) }
```

Border

The CSS property to change the border of an element to Yxy 10.2487, 0.2225, 0.1303 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(110, 59, 192) }
```

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

```
.border{ border-color:rgb(110, 59, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 59, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 59, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 59, 192); box-shadow:4px 4px 4px 4px rgb(110, 59, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2487, 0.2225, 0.1303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 59, 192) }
```

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

```
.background{ background-color: rgb(110, 59,  
192) }
```

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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