

Converting Colors

$Y_{xy}(19.6429, 0.2599, 0.1612)$

Have a look what the booklet for
Yxy(19.6429, 0.2599, 0.1612)
contains.

Yxy(19.6100, 0.2596, 0.1611)	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(19.6100, 0.2596, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	A455DD
RGB	164, 85, 221
RGB Percent	64%, 33%, 87%
CMY	0.3571, 0.6665, 0.1334
CMYK	0.26, 0.62, 0.00, 0.13
HSL	275°, 67%, 60%
HSV	275°, 62%, 87%
XYZ	31.6000, 19.6100, 70.5157
YIQ	124.1250, 3.4280, 59.0440

Conversions

Conversions Part 2

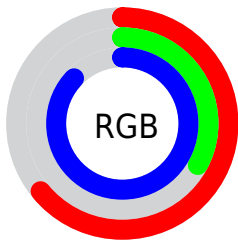
Format	Color
RYB	164, 85, 221
Decimal	10769885
CIELab	51.39, 55.89, -56.84
CIELCh	51, 79.717, 314.517
Yxy	19.6100, 0.2596, 0.1611
Android (android.graphics.Color)	4288959965 (0xFFA455DD)
YUV	124.1250, 47.7594, 34.9704
Hunter-Lab	44.2832, 49.8800, -63.4140

Details

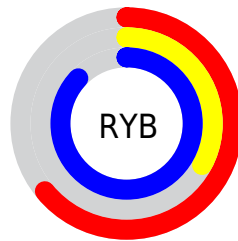
The Yxy color **19.6100, 0.2596, 0.1611** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **58.1194, 0.3375, 0.5073**, and the grayscale version is **20.0398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9266, 0.2897, 0.2070**, and **6.8333, 0.2380, 0.1210** is the 20% darker color. If you saturate the color by 10%, you get **15.7054, 0.2482, 0.1379**, and if you desaturate by 10%, it is **24.6742, 0.2706, 0.1875**.

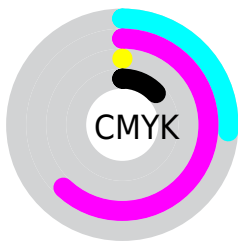
Distribution



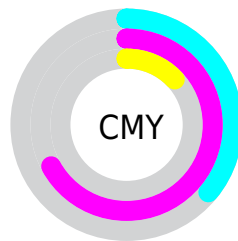
- Red (64%)
- Green (33%)
- Blue (87%)



- Red (64%)
- Yellow (33%)
- Blue (87%)



- Cyan (26%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)





- Cyan (36%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6100, 0.2596, 0.1611 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 19.6100, 0.2596, 0.1611 by changing the saturation by 10% instead.


 19.6100, 0.2596,
0.1611


 19.6100, 0.2596,
0.1611


249.7959, 0.2917,
0.2420


 12.1119, 0.2502,
0.1428


 42.7623, 0.2724,
0.1893

 6.8199, 0.2374,
0.1209


 59.1854, 0.2769,
0.2002

 3.3497, 0.2195,
0.0946


 79.3521, 0.2806,
0.2097

 1.3169, 0.1938,
0.0637

 103.6470, 0.2836,
0.2179

 0.1543, 0.1582,
0.0143

 132.4544, 0.2861,
0.2251

 0.0000, 0.0909,
0.0000

166.1588, 0.2883,

 0.0000, 0.0000,

0.2314

0.0000

205.1445, 0.2901,
0.2370

■ 19.6100, 0.2596,
0.1611

■ 19.6100, 0.2596,
0.1611

■ 15.7054, 0.2482,
0.1379

■ 24.6742, 0.2706,
0.1875

■ 12.8518, 0.2370,
0.1190

■ 30.9888, 0.2810,
0.2158

■ 10.9226, 0.2263,
0.1054

■ 38.6379, 0.2903,
0.2447

■ 9.8300, 0.2178,
0.0974

■ 47.6973, 0.2986,
0.2730

■ 58.2372, 0.3058,
0.3000

70.3230, 0.3119,
0.3253

84.0161, 0.3170,
0.3486

94.9380, 0.3218,
0.3633

96.5855, 0.3278,
0.3627

Harmonies

Analogous

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



19.6100, 0.1617, 0.1393



19.6100, 0.2596, 0.1611



19.6100, 0.4067, 0.2116

Triad

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



19.6100, 0.2596, 0.1611



19.6100, 0.5300, 0.4510



19.6100, 0.1203, 0.3196

Complementary

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



19.6100, 0.2596, 0.1611



58.1194, 0.3375, 0.5073

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.



19.6100, 0.1918, 0.5072



19.6100, 0.2596, 0.1611



19.6100, 0.4244, 0.5530

Square

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



19.6100, 0.2596, 0.1611



19.6100, 0.5851, 0.3601



19.6100, 0.3042, 0.6076



19.6100, 0.0983, 0.1987

Rectangle

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



19.6100, 0.2596, 0.1611



19.6100, 0.5054, 0.2574



19.6100, 0.3042, 0.6076



19.6100, 0.1380, 0.3789

Sweetspot

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



19.6107, 0.2596, 0.1611



70.6589, 0.3011, 0.2823



27.0848, 0.2123, 0.2148



14.2492, 0.2989, 0.2742



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.



19.6107, 0.2596, 0.1611



20.3620, 0.2447, 0.1315



26.6232, 0.3291, 0.1949



12.9886, 0.3071, 0.3055



5.7792, 0.2193, 0.0982



0.4246, 0.2355, 0.1071

Inverse Universe

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



23.8289, 0.4217, 0.2648



27.2504, 0.4592, 0.2588



54.4485, 0.2997, 0.5159



13.1417, 0.3226, 0.3192



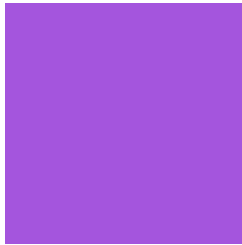
9.4076, 0.5287, 0.2686



0.6264, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 19.6100, 0.2596, 0.1611 looks on a white background.

Color Contrast Check

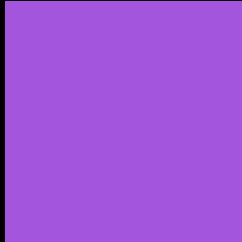
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.6100, 0.2596, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

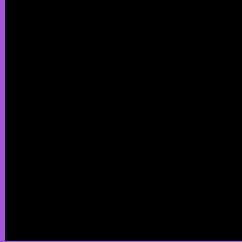
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6100, 0.2596, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 19.6100, 0.2596, 0.1611.



This preview shows how white text looks on a background with the Yxy color 19.6100, 0.2596, 0.1611.

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

19.6100, 0.2596, 0.1611

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.8724, 0.1931, 0.1874



Tritanopia

19.4184, 0.3465, 0.3137

Trichromacy



Original Color

19.6100, 0.2596, 0.1611



Protanomaly

17.5600, 0.1821, 0.1406



Deuteranomaly

18.3339, 0.2064, 0.1698



Tritanomaly

18.9414, 0.3104, 0.2434

Monochromacy



Original Color

19.6100, 0.2596, 0.1611



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1440, 0.2922, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6100, 0.2596, 0.1611 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(164, 85, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 85, 221)  
}
```

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(164, 85, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 85, 221) }
```

Border

The CSS property to change the border of an element to Yxy 19.6100, 0.2596, 0.1611 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(164, 85, 221) }
```

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

```
.border{ border-color:rgb(164, 85, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 85, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 85, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 85, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 85,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6100, 0.2596, 0.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 85, 221) }
```

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

```
.background{ background-color: rgb(164, 85,  
221) }
```

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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