

Converting Colors

$Y_{xy}(19.6815, 0.2261, 0.1633)$

Have a look what the booklet for
Yxy(19.6815, 0.2261, 0.1633)
contains.

Yxy(19.6488, 0.2258, 0.1631)	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(19.6488, 0.2258, 0.1631)

Conversions

Conversions Part 1

Format	Color
Hex	7F67E1
RGB	127, 103, 225
RGB Percent	50%, 40%, 88%
CMY	0.5018, 0.5962, 0.1175
CMYK	0.44, 0.54, 0.00, 0.12
HSL	252°, 67%, 64%
HSV	252°, 54%, 88%
XYZ	27.2023, 19.6488, 73.6198
YIQ	124.0840, -24.8580, 43.0300

Conversions

Conversions Part 2

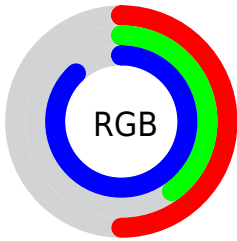
Format	Color
RYB	127, 103, 225
Decimal	8349665
CIELab	51.44, 38.82, -59.27
CIELCh	51, 70.851, 303.227
Yxy	19.6488, 0.2258, 0.1631
Android (android.graphics.Color)	4286539745 (0xFF7F67E1)
YUV	124.0840, 49.7516, 2.5573
Hunter-Lab	44.3270, 31.9687, -67.4420

Details

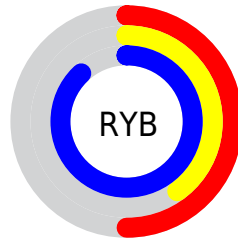
The Yxy color **19.6488, 0.2258, 0.1631** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **67.2620, 0.3720, 0.4680**, and the grayscale version is **20.0240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9770, 0.2611, 0.2149**, and **6.8622, 0.1957, 0.1223** is the 20% darker color. If you saturate the color by 10%, you get **14.4949, 0.2070, 0.1316**, and if you desaturate by 10%, it is **26.2570, 0.2448, 0.1966**.

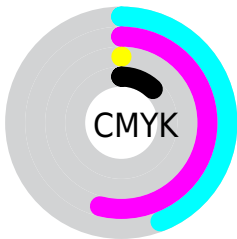
Distribution



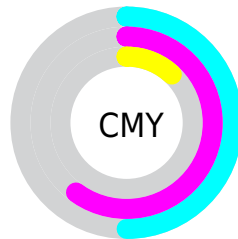
- Red (50%)
- Green (40%)
- Blue (88%)



- Red (50%)
- Yellow (40%)
- Blue (88%)



- Cyan (44%)
- Magenta (54%)
- Yellow (0%)
- Black (12%)



- Cyan (50%)
- Magenta (60%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6488, 0.2258, 0.1631 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 19.6488, 0.2258, 0.1631 by changing the saturation by 10% instead.

■ 19.6488, 0.2258,
0.1631

■ 19.6488, 0.2258,
0.1631

■ 250.0075, 0.2745,
0.2444

■ 12.1400, 0.2127,
0.1445

■ 42.8276, 0.2444,
0.1916

■ 6.8391, 0.1956,
0.1222

■ 59.2664, 0.2511,
0.2026

■ 3.3617, 0.1728,
0.0952

■ 79.4506, 0.2567,
0.2121

■ 1.3233, 0.1421,
0.0638

■ 103.7647, 0.2614,
0.2203

■ 0.1592, 0.1025,
0.0145

■ 132.5930, 0.2654,
0.2275

■ 0.0000, 0.0091,
0.0000

166.3200, 0.2688,

■ 0.0000, 0.0000,

0.2338

0.0000

205.3300, 0.2718,
0.2394

■ 19.6488, 0.2258,
0.1631

■ 19.6488, 0.2258,
0.1631

■ 14.4949, 0.2070,
0.1316

■ 26.2570, 0.2448,
0.1966

■ 10.6811, 0.1896,
0.1043

■ 34.4179, 0.2629,
0.2301

■ 8.0785, 0.1748,
0.0833


■ 44.2235, 0.2796,
0.2621

■ 6.5314, 0.1636,
0.0698


■ 55.7581, 0.2946,
0.2918

■ 5.9824, 0.1588,
0.0648

■ 69.1000, 0.3077,
0.3185

 84.3228, 0.3190,
0.3424

 97.9361, 0.3294,
0.3582

 98.2183, 0.3303,
0.3581

Harmonies

Analogous

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



19.6488, 0.1518, 0.1534



19.6488, 0.2258, 0.1631



19.6488, 0.3452, 0.2012

Triad

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



19.6488, 0.2258, 0.1631



19.6488, 0.5408, 0.4163



19.6488, 0.1574, 0.3822

Complementary

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



19.6488, 0.2258, 0.1631



67.2620, 0.3720, 0.4680

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.



19.6488, 0.2433, 0.5345



19.6488, 0.2258, 0.1631



19.6488, 0.4612, 0.5057

Square

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



19.6488, 0.2258, 0.1631



19.6488, 0.5565, 0.3355



19.6488, 0.3540, 0.5726



19.6488, 0.1180, 0.2461

Rectangle

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



19.6488, 0.2258, 0.1631



19.6488, 0.4376, 0.2403



19.6488, 0.3540, 0.5726



19.6488, 0.1812, 0.4377

Sweetspot

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



19.6495, 0.2258, 0.1631



70.9831, 0.2919, 0.2864



50.8716, 0.2376, 0.2987



14.4921, 0.2889, 0.2804



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.



19.6495, 0.2258, 0.1631



18.5398, 0.2048, 0.1280



25.6210, 0.2799, 0.1849



13.3728, 0.3011, 0.3050



3.4848, 0.1598, 0.0654



0.2788, 0.1741, 0.0733

Inverse Universe

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



29.9243, 0.3442, 0.2218



33.7369, 0.3528, 0.2050



60.5676, 0.3279, 0.4907



13.8869, 0.3168, 0.3104



11.1547, 0.3779, 0.1855



0.7852, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 19.6488, 0.2258, 0.1631 looks on a white background.

Color Contrast Check

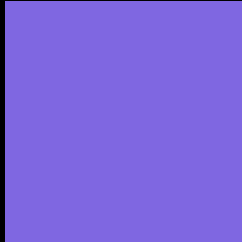
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6488, 0.2258, 0.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

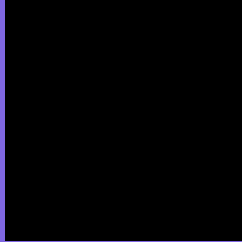
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6488, 0.2258, 0.1631

Background



This preview shows how black text looks on a background with the Yxy color 19.6488, 0.2258, 0.1631.



This preview shows how white text looks on a background with the Yxy color 19.6488, 0.2258, 0.1631.

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

19.6488, 0.2258, 0.1631

Protanopia

19.8656, 0.1815, 0.1539

Deuteranopia

19.9631, 0.1848, 0.1799



Tritanopia

19.6423, 0.2778, 0.3098

Trichromacy



Original Color

19.6488, 0.2258, 0.1631

Protanomaly

19.3043, 0.1917, 0.1555

Deuteranomaly

18.8960, 0.1904, 0.1690

Tritanomaly

19.2288, 0.2556, 0.2429

Monochromacy



Original Color

19.6488, 0.2258, 0.1631

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4240, 0.2748, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6488, 0.2258, 0.1631 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(127, 103, 225)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 225)  
}
```

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(127, 103, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 225) }
```

Border

The CSS property to change the border of an element to Yxy 19.6488, 0.2258, 0.1631 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(127, 103, 225) }
```

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

```
.border{ border-color:rgb(127, 103, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 103, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 103, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 103, 225); box-shadow:4px 4px 4px 4px rgb(127, 103, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6488, 0.2258, 0.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 225) }
```

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

```
.background{ background-color: rgb(127,  
103, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor