

Converting Colors

$Y_{xy}(20.6644, 0.2206, 0.1662)$

Have a look what the booklet for
Yxy(20.6644, 0.2206, 0.1662)
contains.

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Color

Yxy(20.6037, 0.2208, 0.1663)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 796DE4 |
| RGB | 121, 109, 228 |
| RGB Percent | 47%, 43%, 89% |
| CMY | 0.5255, 0.5725, 0.1059 |
| CMYK | 0.47, 0.52, 0.00, 0.11 |
| HSL | 246°, 69%, 66% |
| HSV | 246°, 52%, 89% |
| XYZ | 27.3560, 20.6037, 75.9351 |
| YIQ | 126.1540, -31.0470, 39.5530 |

Conversions

Conversions Part 2

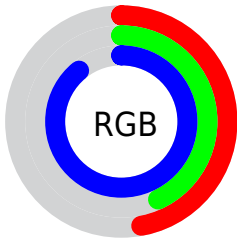
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 121, 109, 228 |
| Decimal | 7957988 |
| CIE Lab | 52.51, 34.81, -59.23 |
| CIE LCh | 53, 68.705, 300.439 |
| Yxy | 20.6037, 0.2208, 0.1663 |
| Android (android.graphics.Color) | 4286148068 (0xFF796DE4) |
| YUV | 126.1540, 50.2101, -4.5201 |
| Hunter-Lab | 45.3913, 28.1418, -67.4123 |

Details

The Yxy color **20.6037, 0.2208, 0.1663** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **71.1942, 0.3792, 0.4589**, and the grayscale version is **20.7533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2934, 0.2574, 0.2205**, and **7.3081, 0.1897, 0.1256** is the 20% darker color. If you saturate the color by 10%, you get **15.0272, 0.2009, 0.1332**, and if you desaturate by 10%, it is **27.7578, 0.2412, 0.2011**.

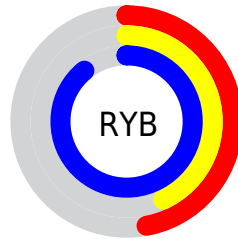
Distribution



Red (47%)

Green (43%)

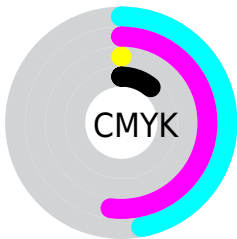
Blue (89%)



Red (47%)

Yellow (43%)

Blue (89%)

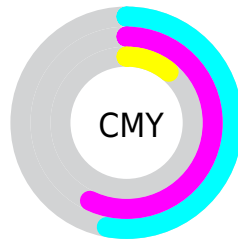


Cyan (47%)

Magenta (52%)

Yellow (0%)

Black (11%)



Cyan (53%)

Magenta (57%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6037, 0.2208, 0.1663 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 20.6037, 0.2208, 0.1663 by changing the saturation by 10% instead.


 20.6037, 0.2208,
0.1663


 20.6037, 0.2208,
0.1663


255.1648, 0.2714,
0.2460

 12.8346, 0.2074,
0.1481


 44.4270, 0.2399,
0.1943


 7.3148, 0.1901,
0.1260


 61.2501, 0.2469,
0.2051

 3.6597, 0.1673,
0.0994


 81.8600, 0.2528,
0.2144

 1.4851, 0.1368,
0.0681

 106.6410, 0.2577,
0.2225

 0.2782, 0.0976,
0.0237

135.9776, 0.2619,
0.2295

 0.0000, 0.0111,
0.0000

170.2542, 0.2655,

 0.0000, 0.0000,

0.2357

0.0000

209.8551, 0.2687,
0.2411

■ 20.6037, 0.2208,
0.1663

■ 20.6037, 0.2208,
0.1663

■ 15.0272, 0.2009,
0.1332

■ 27.7578, 0.2412,
0.2011

■ 10.9063, 0.1828,
0.1044

■ 36.5948, 0.2609,
0.2354

■ 8.1047, 0.1682,
0.0820


■ 47.2132, 0.2791,
0.2677


■ 6.4587, 0.1578,
0.0677

■ 59.7036, 0.2954,
0.2973

■ 5.7832, 0.1529,
0.0616

■ 74.1502, 0.3098,
0.3237

 90.6320, 0.3223,
0.3468

 98.3816, 0.3286,
0.3552

Harmonies

Analogous

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



20.6037, 0.1526, 0.1597



20.6037, 0.2208, 0.1663



20.6037, 0.3322, 0.2011

Triad

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



20.6037, 0.2208, 0.1663



20.6037, 0.5379, 0.4085



20.6037, 0.1696, 0.3948

Complementary

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



20.6037, 0.2208, 0.1663



71.1942, 0.3792, 0.4589

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.



20.6037, 0.2570, 0.5327



20.6037, 0.2208, 0.1663



20.6037, 0.4668, 0.4938

Square

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



20.6037, 0.2208, 0.1663



20.6037, 0.5434, 0.3304



20.6037, 0.3650, 0.5595



20.6037, 0.1262, 0.2598

Rectangle

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



20.6037, 0.2208, 0.1663



20.6037, 0.4203, 0.2380



20.6037, 0.3650, 0.5595



20.6037, 0.1944, 0.4469

Sweetspot

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



20.6044, 0.2208, 0.1663



70.3675, 0.2893, 0.2861



58.0176, 0.2425, 0.3134



14.3474, 0.2859, 0.2800



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.



20.6044, 0.2208, 0.1663



18.6367, 0.1986, 0.1295



26.2921, 0.2720, 0.1863



13.9562, 0.2996, 0.3048



3.3628, 0.1535, 0.0619



0.2722, 0.1621, 0.0666

Inverse Universe

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



32.3919, 0.3305, 0.2147



35.5493, 0.3350, 0.1958



63.7207, 0.3346, 0.4810



14.5889, 0.3153, 0.3081



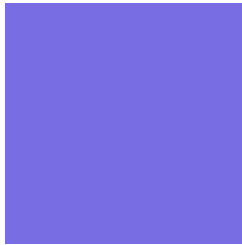
12.0807, 0.3479, 0.1690



0.9000, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 20.6037, 0.2208, 0.1663 looks on a white background.

Color Contrast Check

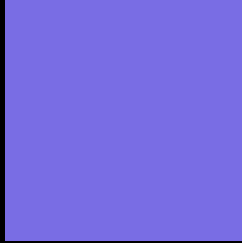
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6037, 0.2208, 0.1663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

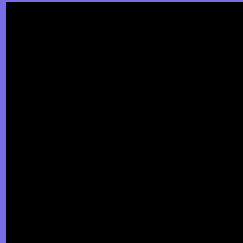
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6037, 0.2208, 0.1663

Background



This preview shows how black text looks on a background with the Yxy color 20.6037, 0.2208, 0.1663.



This preview shows how white text looks on a background with the Yxy color 20.6037, 0.2208, 0.1663.

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

20.6037, 0.2208, 0.1663

Protanopia

20.8664, 0.1856, 0.1591

Deuteranopia

20.7802, 0.1856, 0.1797



Tritanopia

20.6971, 0.2673, 0.3098

Trichromacy



Original Color

20.6037, 0.2208, 0.1663

Protanomaly

20.4842, 0.1949, 0.1609

Deuteranomaly

19.8613, 0.1917, 0.1712

Tritanomaly

20.2472, 0.2473, 0.2434

Monochromacy



Original Color

20.6037, 0.2208, 0.1663

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3624, 0.2724, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6037, 0.2208, 0.1663 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(121, 109, 228)` looks like.

```
.text, #text, p{  
    color:rgb(121, 109, 228)  
}
```

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(121, 109, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 109, 228) }
```

Border

The CSS property to change the border of an element to Yxy 20.6037, 0.2208, 0.1663 is called "border". The border property can be set on classes, ids or directly on the HTML element.

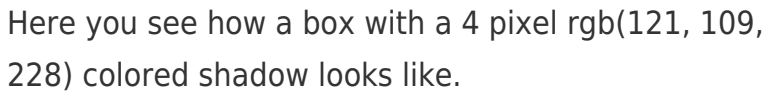
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(121, 109, 228) }
```

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

```
.border{ border-color:rgb(121, 109, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(121, 109, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 109, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 109, 228); box-shadow:4px 4px 4px 4px rgb(121, 109, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6037, 0.2208, 0.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 109, 228) }
```

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

```
.background{ background-color: rgb(121,  
109, 228) }
```

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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