

Converting Colors

$Y_{xy}(20.7469, 0.2063, 0.1398)$

Have a look what the booklet for
Yxy(20.7469, 0.2063, 0.1398)
contains.

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Color

Yxy(20.7158, 0.2060, 0.1397)

Conversions

Conversions Part 1

Format	Color
Hex	7866FF
RGB	120, 102, 255
RGB Percent	47%, 40%, 100%
CMY	0.5295, 0.6000, 0.0000
CMYK	0.53, 0.60, 0.00, 0.00
HSL	247°, 100%, 70%
HSV	247°, 60%, 100%
XYZ	30.5473, 20.7158, 97.0247
YIQ	124.8240, -38.3850, 51.3990

Conversions

Conversions Part 2

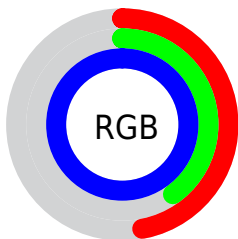
Format	Color
RYB	120, 102, 255
Decimal	7890687
CIELab	52.64, 46.64, -74.12
CIELCh	53, 87.573, 302.181
Yxy	20.7158, 0.2060, 0.1397
Android (android.graphics.Color)	4286080767 (0xFF7866FF)
YUV	124.8240, 64.1768, -4.2306
Hunter-Lab	45.5146, 40.1503, -94.5298

Details

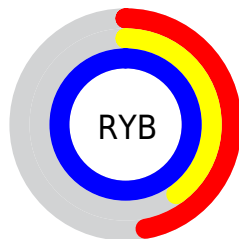
The Yxy color **20.7158, 0.2060, 0.1397** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **90.4905, 0.3852, 0.4768**, and the grayscale version is **20.2336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1550, 0.2580, 0.2129**, and **7.3996, 0.1736, 0.1003** is the 20% darker color. If you saturate the color by 10%, you get **15.0253, 0.1874, 0.1098**, and if you desaturate by 10%, it is **28.3219, 0.2261, 0.1733**.

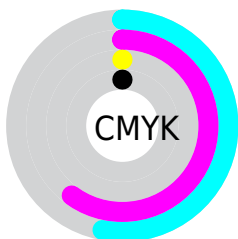
Distribution



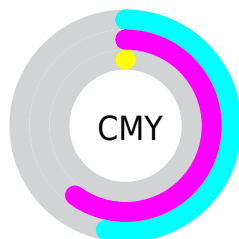
- Red (47%)
- Green (40%)
- Blue (100%)



- Red (47%)
- Yellow (40%)
- Blue (100%)



- Cyan (53%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7158, 0.2060, 0.1397 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 20.7158, 0.2060, 0.1397 by changing the saturation by 10% instead.


 20.7158, 0.2060,
0.1397


 20.7158, 0.2060,
0.1397


255.7643, 0.2637,
0.2276


 12.9164, 0.1915,
0.1212


 44.6141, 0.2273,
0.1692


 7.3710, 0.1734,
0.0998


 61.4817, 0.2352,
0.1811

 3.6952, 0.1503,
0.0754


 82.1410, 0.2419,
0.1914

 1.5046, 0.1211,
0.0487

 106.9761, 0.2476,
0.2005

 0.2919, 0.0856,
0.0161

136.3717, 0.2525,
0.2085

 0.0000, 0.0365,
0.0000

170.7119, 0.2567,

 0.0000, 0.0000,

0.2156

0.0000

210.3813, 0.2604,
0.2219

■ 20.7158, 0.2060,
0.1397

■ 20.7158, 0.2060,
0.1397

■ 15.0253, 0.1874,
0.1098

■ 28.3219, 0.2261,
0.1733

■ 11.0820, 0.1718,
0.0860

■ 38.0009, 0.2463,
0.2082

■ 8.6790, 0.1604,
0.0701

■ 49.8878, 0.2655,
0.2423

■ 7.4952, 0.1534,
0.0619

■ 64.1080, 0.2832,
0.2742

■ 7.4951, 0.1534,
0.0619

■ 80.7772, 0.2990,
0.3032

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



20.7158, 0.1274, 0.1296



20.7158, 0.2060, 0.1397



20.7158, 0.3434, 0.1798

Triad

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



20.7158, 0.2060, 0.1397



20.7158, 0.5728, 0.4088



20.7158, 0.1320, 0.3976

Complementary

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



20.7158, 0.2060, 0.1397



90.4905, 0.3852, 0.4768

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.



20.7158, 0.2265, 0.5925



20.7158, 0.2060, 0.1397



20.7158, 0.4761, 0.5182

Square

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



20.7158, 0.2060, 0.1397



20.7158, 0.5994, 0.3225



20.7158, 0.3496, 0.6154



20.7158, 0.0920, 0.2299

Rectangle

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



20.7158, 0.2060, 0.1397



20.7158, 0.4561, 0.2218



20.7158, 0.3496, 0.6154



20.7158, 0.1577, 0.4700

Sweetspot

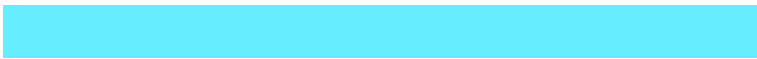
The Sweet Spot groups the original color and five complimentary colors.



20.7142, 0.2060, 0.1397



67.2398, 0.2865, 0.2802



70.7006, 0.2342, 0.3074



13.4230, 0.2817, 0.2714



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.



20.7142, 0.2060, 0.1397



14.1023, 0.1840, 0.1045



28.5065, 0.2657, 0.1659



17.4798, 0.2997, 0.3045



3.9484, 0.1541, 0.0623



0.4156, 0.1615, 0.0663

Inverse Universe

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



36.8802, 0.3363, 0.2024



31.7262, 0.3419, 0.1861



80.0204, 0.3340, 0.5063



18.2615, 0.3156, 0.3083



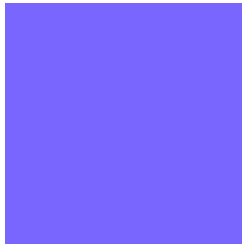
13.9658, 0.3530, 0.1718



1.3698, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 20.7158, 0.2060, 0.1397 looks on a white background.

Color Contrast Check

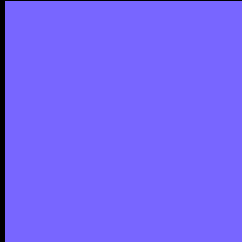
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7158, 0.2060, 0.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

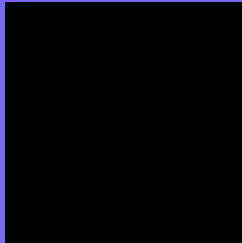
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7158, 0.2060, 0.1397

Background



This preview shows how black text looks on a background with the Yxy color 20.7158, 0.2060, 0.1397.



This preview shows how white text looks on a background with the Yxy color 20.7158, 0.2060, 0.1397.

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

20.7158, 0.2060, 0.1397

Protanopia

20.9963, 0.1749, 0.1464

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.6277, 0.2532, 0.3075

Trichromacy



Original Color

20.7158, 0.2060, 0.1397



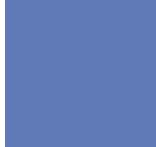
Protanomaly

20.0115, 0.1790, 0.1403



Deuteranomaly

19.6696, 0.1834, 0.1604



Tritanomaly

19.8666, 0.2311, 0.2247

Monochromacy



Original Color

20.7158, 0.2060, 0.1397



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.9121, 0.2629, 0.2382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7158, 0.2060, 0.1397 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(120, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 102, 255)  
}
```

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(120, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7158, 0.2060, 0.1397 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(120, 102, 255) }
```

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

```
.border{ border-color:rgb(120, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7158, 0.2060, 0.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 102, 255) }
```

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

```
.background{ background-color: rgb(120,  
102, 255) }
```

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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