

Converting Colors

$Y_{xy}(20.1793, 0.2012, 0.1376)$

Have a look what the booklet for
Yxy(20.1793, 0.2012, 0.1376)
contains.

Yxy(20.1675, 0.2011, 0.1376)	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(20.1675, 0.2011, 0.1376)

Conversions

Conversions Part 1

Format	Color
Hex	7066FF
RGB	112, 102, 255
RGB Percent	44%, 40%, 100%
CMY	0.5610, 0.5999, 0.0001
CMYK	0.56, 0.60, 0.00, 0.00
HSL	244°, 100%, 70%
HSV	244°, 60%, 100%
XYZ	29.4744, 20.1675, 96.9242
YIQ	122.4320, -43.1530, 49.7030

Conversions

Conversions Part 2

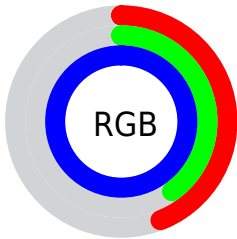
Format	Color
R_{YB}	112, 102, 255
Decimal	7366399
CIE _{Lab}	52.03, 45.22, -75.11
CIE _{LCh}	52, 87.667, 301.050
Yxy	20.1675, 0.2011, 0.1376
Android (android.graphics.Color)	4285556479 (0xFF7066FF)
YUV	122.4320, 65.3560, -9.1489
Hunter-Lab	44.9082, 38.5648, -96.5282

Details

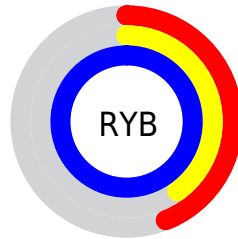
The Yxy color **20.1675, 0.2011, 0.1376** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **91.8852, 0.3908, 0.4736**, and the grayscale version is **19.4030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3299, 0.2529, 0.2113**, and **7.0816, 0.1675, 0.0972** is the 20% darker color. If you saturate the color by 10%, you get **14.5405, 0.1825, 0.1074**, and if you desaturate by 10%, it is **27.7502, 0.2216, 0.1717**.

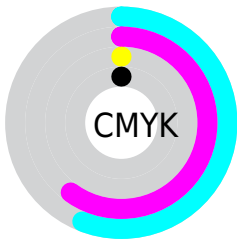
Distribution



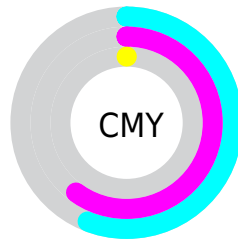
- Red (44%)
- Green (40%)
- Blue (100%)



- Red (44%)
- Yellow (40%)
- Blue (100%)



- Cyan (56%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1675, 0.2011, 0.1376 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 20.1675, 0.2011, 0.1376 by changing the saturation by 10% instead.


 20.1675, 0.2011,
0.1376


 20.1675, 0.2011,
0.1376


252.8205, 0.2612,
0.2266


 12.5169, 0.1861,
0.1189


 43.6978, 0.2232,
0.1675


 7.0967, 0.1674,
0.0974


 60.3463, 0.2315,
0.1795

 3.5227, 0.1438,
0.0728


 80.7629, 0.2384,
0.1900

 1.4103, 0.1141,
0.0463

 105.3319, 0.2444,
0.1992

 0.2243, 0.0787,
0.0125

134.4377, 0.2495,
0.2072

 0.0000, 0.0269,
0.0000

168.4649, 0.2539,

 0.0000, 0.0000,

0.2144

0.0000

207.7976, 0.2578,
0.2209

■ 20.1675, 0.2011,
0.1376

■ 20.1675, 0.2011,
0.1376

■ 14.5405, 0.1825,
0.1074

■ 27.7502, 0.2216,
0.1717

■ 10.6877, 0.1675,
0.0838

■ 37.4446, 0.2426,
0.2071

■ 8.3963, 0.1570,
0.0683

■ 49.3929, 0.2628,
0.2417

■ 7.3344, 0.1514,
0.0608

■ 63.7247, 0.2814,
0.2739

■ 7.3332, 0.1514,
0.0608

■ 80.5594, 0.2981,
0.3032

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



20.1675, 0.1243, 0.1286



20.1675, 0.2011, 0.1376



20.1675, 0.3373, 0.1767

Triad

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



20.1675, 0.2011, 0.1376



20.1675, 0.5770, 0.4047



20.1675, 0.1330, 0.4062

Complementary

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



20.1675, 0.2011, 0.1376



91.8852, 0.3908, 0.4736

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.



20.1675, 0.2297, 0.6004



20.1675, 0.2011, 0.1376



20.1675, 0.4814, 0.5149

Square

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



20.1675, 0.2011, 0.1376



20.1675, 0.6006, 0.3188



20.1675, 0.3537, 0.6151



20.1675, 0.0912, 0.2333

Rectangle

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



20.1675, 0.2011, 0.1376



20.1675, 0.4510, 0.2183



20.1675, 0.3537, 0.6151



20.1675, 0.1596, 0.4798

Sweetspot

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



20.1681, 0.2011, 0.1376



66.8785, 0.2849, 0.2800



76.7661, 0.2370, 0.3198



13.3368, 0.2798, 0.2711



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.



20.1681, 0.2011, 0.1376



13.6306, 0.1792, 0.1021



27.1844, 0.2567, 0.1620



17.4340, 0.2989, 0.3045



3.8537, 0.1519, 0.0611



0.3940, 0.1564, 0.0635

Inverse Universe

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



37.3593, 0.3285, 0.1964



32.2942, 0.3318, 0.1795



81.1046, 0.3403, 0.5026



18.2788, 0.3148, 0.3071



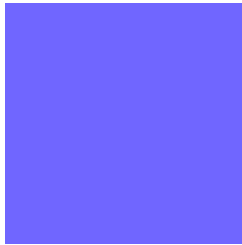
14.3573, 0.3379, 0.1635



1.4038, 0.3358, 0.1623

Previews

White Background



This preview shows how the Yxy color 20.1675, 0.2011, 0.1376 looks on a white background.

Color Contrast Check

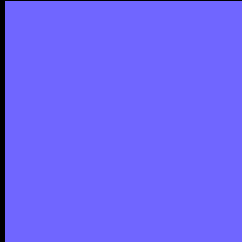
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1675, 0.2011, 0.1376 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 20.1675, 0.2011, 0.1376

Background



This preview shows how black text looks on a background with the Yxy color 20.1675, 0.2011, 0.1376.



This preview shows how white text looks on a background with the Yxy color 20.1675, 0.2011, 0.1376.

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

20.1675, 0.2011, 0.1376

Protanopia

20.2219, 0.1737, 0.1454

Deuteranopia

20.0362, 0.1839, 0.1820



Tritanopia

20.0908, 0.2436, 0.3069

Trichromacy



Original Color

20.1675, 0.2011, 0.1376



Protanomaly

19.3735, 0.1762, 0.1391



Deuteranomaly

19.0202, 0.1824, 0.1589



Tritanomaly

19.3111, 0.2232, 0.2227

Monochromacy



Original Color

20.1675, 0.2011, 0.1376



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

19.0153, 0.2592, 0.2363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1675, 0.2011, 0.1376 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(112, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.1675, 0.2011, 0.1376 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(112, 102, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1675, 0.2011, 0.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 102, 255) }
```

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

```
.background{ background-color: rgb(112,  
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](#).

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