

Converting Colors

$Y_{xy}(20.8886, 0.1995, 0.1417)$

Have a look what the booklet for
Yxy(20.8886, 0.1995, 0.1417)
contains.

Yxy(20.8612, 0.1994, 0.1416)	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(20.8612, 0.1994, 0.1416)

Conversions

Conversions Part 1

Format	Color
Hex	6B6BFF
RGB	107, 107, 255
RGB Percent	42%, 42%, 100%
CMY	0.5801, 0.5805, 0.0000
CMYK	0.58, 0.58, 0.00, 0.00
HSL	240°, 100%, 71%
HSV	240°, 58%, 100%
XYZ	29.3766, 20.8612, 97.0871
YIQ	123.8720, -47.5080, 46.0280

Conversions

Conversions Part 2

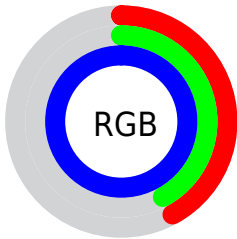
Format	Color
RYB	107, 107, 255
Decimal	7039999
CIELab	52.80, 41.52, -73.88
CIELCh	53, 84.750, 299.333
Yxy	20.8612, 0.1994, 0.1416
Android (android.graphics.Color)	4285230079 (0xFF6B6BFF)
YUV	123.8720, 64.6461, -14.7967
Hunter-Lab	45.6741, 34.8778, -94.0580

Details

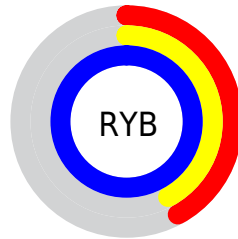
The Yxy color **20.8612, 0.1994, 0.1416** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.8251, 0.3956, 0.4662**, and the grayscale version is **19.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4513, 0.2500, 0.2161**, and **7.4060, 0.1657, 0.1013** is the 20% darker color. If you saturate the color by 10%, you get **14.9519, 0.1804, 0.1102**, and if you desaturate by 10%, it is **28.8039, 0.2206, 0.1767**.

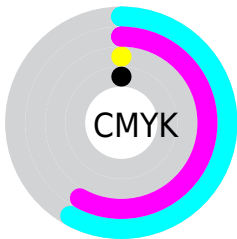
Distribution



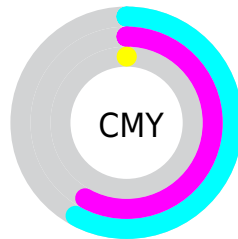
- Red (42%)
- Green (42%)
- Blue (100%)



- Red (42%)
- Yellow (42%)
- Blue (100%)



- Cyan (58%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8612, 0.1994, 0.1416 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 20.8612, 0.1994, 0.1416 by changing the saturation by 10% instead.

 20.8612, 0.1994,
0.1416


 20.8612, 0.1994,
0.1416


256.5399, 0.2599,
0.2292


 13.0226, 0.1844,
0.1231


 44.8564, 0.2216,
0.1711


 7.4441, 0.1657,
0.1016


 61.7818, 0.2299,
0.1830

 3.7414, 0.1422,
0.0769


 82.5049, 0.2369,
0.1933

 1.5300, 0.1128,
0.0499

 107.4101, 0.2429,
0.2023

 0.3097, 0.0775,
0.0172

136.8818, 0.2480,
0.2102

 0.0000, 0.0259,
0.0000

171.3044, 0.2525,

 0.0000, 0.0000,

0.2172

0.0000

211.0623, 0.2564,
0.2235

■ 20.8612, 0.1994,
0.1416

■ 20.8612, 0.1994,
0.1416

■ 14.9519, 0.1804,
0.1102

■ 28.8039, 0.2206,
0.1767

■ 10.8902, 0.1654,
0.0854

■ 38.9406, 0.2424,
0.2127

■ 8.4585, 0.1554,
0.0689

■ 51.4179, 0.2634,
0.2474

■ 7.3612, 0.1506,
0.0610

■ 66.3689, 0.2828,
0.2796

■ 7.2209, 0.1500,
0.0600

■ 83.9169, 0.3003,
0.3084

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.



20.8612, 0.1267, 0.1346



20.8612, 0.1994, 0.1416



20.8612, 0.3280, 0.1785

Triad

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



20.8612, 0.1994, 0.1416



20.8612, 0.5737, 0.4013



20.8612, 0.1438, 0.4153

Complementary

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



20.8612, 0.1994, 0.1416



93.8251, 0.3956, 0.4662

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.



20.8612, 0.2416, 0.5927



20.8612, 0.1994, 0.1416



20.8612, 0.4846, 0.5048

Square

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



20.8612, 0.1994, 0.1416



20.8612, 0.5878, 0.3173



20.8612, 0.3635, 0.6013



20.8612, 0.0986, 0.2450

Rectangle

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



20.8612, 0.1994, 0.1416



20.8612, 0.4363, 0.2184



20.8612, 0.3635, 0.6013



20.8612, 0.1712, 0.4843

Sweetspot

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



20.8617, 0.1994, 0.1416



68.0809, 0.2848, 0.2828



81.8647, 0.2405, 0.3288



13.8738, 0.2810, 0.2766



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.



20.8617, 0.1994, 0.1416



14.0193, 0.1771, 0.1048



27.5544, 0.2527, 0.1644



17.3783, 0.2978, 0.3044



3.7733, 0.1500, 0.0600



0.3676, 0.1501, 0.0600

Inverse Universe

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



38.9863, 0.3192, 0.1928



33.7115, 0.3201, 0.1743



82.4039, 0.3448, 0.4945



18.3002, 0.3138, 0.3056



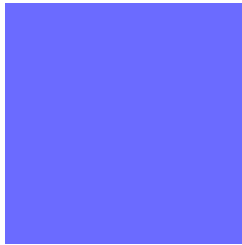
14.8766, 0.3211, 0.1542



1.4485, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.8612, 0.1994, 0.1416 looks on a white background.

Color Contrast Check

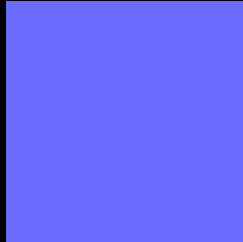
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8612, 0.1994, 0.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

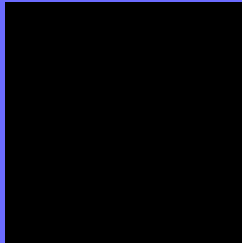
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8612, 0.1994, 0.1416

Background



This preview shows how black text looks on a background with the Yxy color 20.8612, 0.1994, 0.1416.



This preview shows how white text looks on a background with the Yxy color 20.8612, 0.1994, 0.1416.

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

20.8612, 0.1994, 0.1416

Protanopia

21.0435, 0.1754, 0.1466

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.7717, 0.2383, 0.3070

Trichromacy



Original Color

20.8612, 0.1994, 0.1416

Protanomaly

20.4408, 0.1794, 0.1426

Deuteranomaly

19.8048, 0.1826, 0.1614

Tritanomaly

19.8747, 0.2193, 0.2244

Monochromacy



Original Color

20.8612, 0.1994, 0.1416

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7870, 0.2581, 0.2387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8612, 0.1994, 0.1416 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(107, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 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(107, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.8612, 0.1994, 0.1416 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(107, 107, 255) }
```

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

```
.border{ border-color:rgb(107, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8612, 0.1994, 0.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 255) }
```

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

```
.background{ background-color: rgb(107,  
107, 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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