

Converting Colors

$Y_{xy}(20.5746, 0.2123, 0.1629)$

Have a look what the booklet for
Yxy(20.5746, 0.2123, 0.1629)
contains.

Yxy(20.5746, 0.2123, 0.1629)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5746, 0.2123, 0.1629)

Conversions

Conversions Part 1

Format	Color
Hex	6F6FE8
RGB	111, 111, 232
RGB Percent	44%, 44%, 91%
CMY	0.5644, 0.5648, 0.0901
CMYK	0.52, 0.52, 0.00, 0.09
HSL	240°, 72%, 67%
HSV	240°, 52%, 91%
XYZ	26.8139, 20.5746, 78.9135
YIQ	124.7940, -38.8410, 37.6310

Conversions

Conversions Part 2

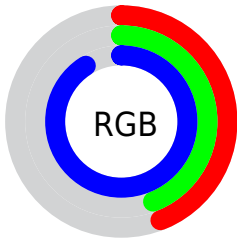
Format	Color
R_{YB}	111, 111, 232
Decimal	7303144
CIE _{Lab}	52.48, 32.75, -61.58
CIE _{LCh}	52, 69.748, 298.007
Yxy	20.5746, 0.2123, 0.1629
Android (android.graphics.Color)	4285493224 (0xFF6F6FE8)
YUV	124.7940, 52.8526, -12.0973
Hunter-Lab	45.3592, 26.1409, -71.3980

Details

The Yxy color $20.5746, 0.2123, 0.1629$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $76.0110, 0.3885, 0.4544$, and the grayscale version is $20.2682, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.9604, 0.2513, 0.2210$, and $7.2545, 0.1801, 0.1223$ is the 20% darker color. If you saturate the color by 10%, you get $14.8391, 0.1919, 0.1291$, and if you desaturate by 10%, it is $28.0161, 0.2339, 0.1987$.

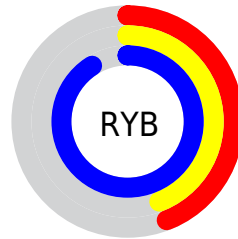
Distribution



Red (44%)

Green (44%)

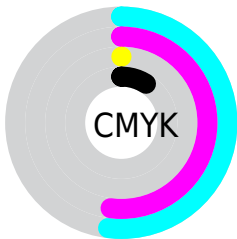
Blue (91%)



Red (44%)

Yellow (44%)

Blue (91%)

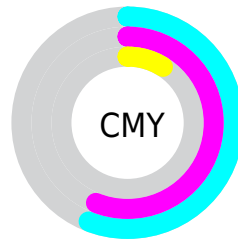


Cyan (52%)

Magenta (52%)

Yellow (0%)

Black (9%)



Cyan (56%)


Magenta (56%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5746, 0.2123, 0.1629 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 20.5746, 0.2123, 0.1629 by changing the saturation by 10% instead.


 20.5746, 0.2123,
0.1629


 20.5746, 0.2123,
0.1629


255.0090, 0.2670,
0.2441


 12.8134, 0.1981,
0.1445


 44.3785, 0.2328,
0.1913

 7.3002, 0.1800,
0.1223


 61.1899, 0.2403,
0.2023

 3.6505, 0.1564,
0.0958


 81.7869, 0.2466,
0.2118

 1.4801, 0.1255,
0.0649

 106.5539, 0.2520,
0.2200

 0.2746, 0.0867,
0.0220

135.8752, 0.2565,
0.2272

 0.0000, 0.0014,
0.0000

170.1352, 0.2605,

 0.0000, 0.0000,

0.2335

0.0000

209.7183, 0.2639,
0.2391

■ 20.5746, 0.2123,
0.1629

■ 20.5746, 0.2123,
0.1629

■ 14.8391, 0.1919,
0.1291

■ 28.0161, 0.2339,
0.1987

■ 10.6729, 0.1743,
0.1000

■ 37.2821, 0.2553,
0.2339

■ 7.9212, 0.1611,
0.0782

■ 48.4829, 0.2753,
0.2671

■ 6.3972, 0.1531,
0.0651

■ 61.7194, 0.2934,
0.2971

■ 5.8284, 0.1500,
0.0600

■ 77.0855, 0.3095,
0.3237

■ 94.6692, 0.3235,
0.3468

■ 98.6071, 0.3262,
0.3512

Harmonies

Analogous

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



20.5746, 0.1470, 0.1586



20.5746, 0.2123, 0.1629



20.5746, 0.3218, 0.1957

Triad

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



20.5746, 0.2123, 0.1629



20.5746, 0.5439, 0.4017



20.5746, 0.1731, 0.4087

Complementary

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



20.5746, 0.2123, 0.1629



76.0110, 0.3885, 0.4544

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.



20.5746, 0.2642, 0.5438



20.5746, 0.2123, 0.1629



20.5746, 0.4754, 0.4881

Square

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



20.5746, 0.2123, 0.1629



20.5746, 0.5433, 0.3237



20.5746, 0.3737, 0.5596



20.5746, 0.1259, 0.2673

Rectangle

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



20.5746, 0.2123, 0.1629



20.5746, 0.4111, 0.2318



20.5746, 0.3737, 0.5596



20.5746, 0.1994, 0.4615

Sweetspot

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



20.5753, 0.2123, 0.1629



69.7458, 0.2866, 0.2858



66.9273, 0.2456, 0.3288



14.2017, 0.2828, 0.2795



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.



20.5753, 0.2123, 0.1629



17.6932, 0.1896, 0.1254



25.9045, 0.2608, 0.1818



13.8878, 0.2980, 0.3047



3.2354, 0.1500, 0.0600



0.2393, 0.1501, 0.0601

Inverse Universe

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



34.3435, 0.3187, 0.2045



36.5391, 0.3196, 0.1845



67.5832, 0.3431, 0.4768



14.6150, 0.3138, 0.3059



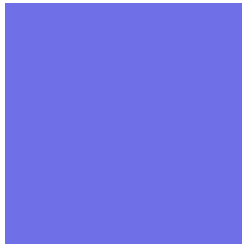
12.7527, 0.3211, 0.1543



0.9424, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 20.5746, 0.2123, 0.1629 looks on a white background.

Color Contrast Check

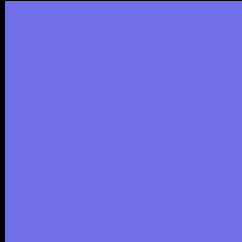
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5746, 0.2123, 0.1629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

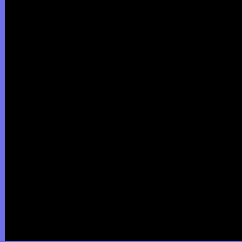
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5746, 0.2123, 0.1629

Background



This preview shows how black text looks on a background with the Yxy color 20.5746, 0.2123, 0.1629.



This preview shows how white text looks on a background with the Yxy color 20.5746, 0.2123, 0.1629.

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

20.5746, 0.2123, 0.1629

Protanopia

20.8156, 0.1842, 0.1579

Deuteranopia

20.6150, 0.1828, 0.1779



Tritanopia

20.5825, 0.2524, 0.3074

Trichromacy



Original Color

20.5746, 0.2123, 0.1629

Protanomaly

20.3121, 0.1912, 0.1582

Deuteranomaly

19.7273, 0.1848, 0.1679

Tritanomaly

20.1290, 0.2351, 0.2404

Monochromacy



Original Color

20.5746, 0.2123, 0.1629

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1063, 0.2674, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5746, 0.2123, 0.1629 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(111, 111, 232)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 232)  
}
```

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(111, 111, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 232) }
```

Border

The CSS property to change the border of an element to Yxy 20.5746, 0.2123, 0.1629 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(111, 111, 232) }
```

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

```
.border{ border-color:rgb(111, 111, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 232);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5746, 0.2123, 0.1629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 232) }
```

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

```
.background{ background-color: rgb(111,  
111, 232) }
```

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