

Converting Colors

$Y_{xy}(22.1362, 0.2479, 0.2020)$

Have a look what the booklet for
Yxy(22.1362, 0.2479, 0.2020)
contains.

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Color

Yxy(22.1987, 0.2473, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	8675CD
RGB	134, 117, 205
RGB Percent	53%, 46%, 80%
CMY	0.4747, 0.5411, 0.1961
CMYK	0.35, 0.43, 0.00, 0.20
HSL	252°, 47%, 63%
HSV	252°, 43%, 80%
XYZ	27.2039, 22.1987, 60.6009
YIQ	132.1150, -18.1160, 30.9720

Conversions

Conversions Part 2

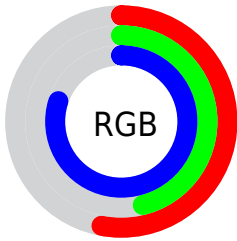
Format	Color
RYB	134, 117, 205
Decimal	8811981
CIELab	54.24, 26.76, -43.42
CIELCh	54, 51.001, 301.651
Yxy	22.1987, 0.2473, 0.2018
Android (android.graphics.Color)	4287002061 (0xFF8675CD)
YUV	132.1150, 35.9323, 1.6531
Hunter-Lab	47.1155, 20.6114, -43.2792

Details

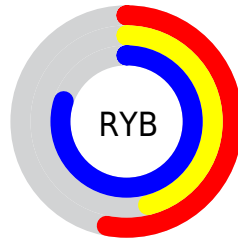
The Yxy color **22.1987, 0.2473, 0.2018** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **55.6428, 0.3617, 0.4395**, and the grayscale version is **22.9895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5431, 0.2663, 0.2318**, and **8.0417, 0.2232, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **16.6782, 0.2284, 0.1683**, and if you desaturate by 10%, it is **28.9797, 0.2653, 0.2350**.

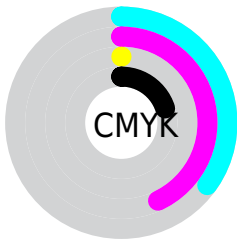
Distribution



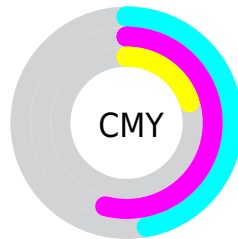
- Red (53%)
- Green (46%)
- Blue (80%)



- Red (53%)
- Yellow (46%)
- Blue (80%)



- Cyan (35%)
- Magenta (43%)
- Yellow (0%)
- Black (20%)



- Cyan (47%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1987, 0.2473, 0.2018 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 22.1987, 0.2473, 0.2018 by changing the saturation by 10% instead.

■ 22.1987, 0.2473,
0.2018

■ 22.1987, 0.2473,
0.2018

■ 263.5822, 0.2839,
0.2665

■ 14.0030, 0.2371,
0.1859

■ 47.0742, 0.2614,
0.2253

■ 8.1227, 0.2235,
0.1658

■ 64.5227, 0.2665,
0.2341

■ 4.1736, 0.2047,
0.1400

■ 85.8243, 0.2707,
0.2416

■ 1.7711, 0.1777,
0.1067

■ 111.3634, 0.2742,
0.2480

■ 0.4691, 0.1385,
0.0577

■ 141.5243, 0.2772,
0.2536

■ 0.0000, 0.0149,
0.0000

■ 176.6915, 0.2797,

■ 0.0000, 0.0000,

0.2584

0.0000

217.2493, 0.2820,
0.2627

■ 22.1987, 0.2473,
0.2018

■ 22.1987, 0.2473,
0.2018

■ 16.6782, 0.2284,
0.1683

■ 28.9797, 0.2653,
0.2350

■ 12.3369, 0.2096,
0.1364

■ 37.0907, 0.2817,
0.2666

■ 9.0876, 0.1919,
0.1084

■ 46.5991, 0.2964,
0.2957

■ 6.8298, 0.1767,
0.0863

■ 57.5668, 0.3093,
0.3219

■ 5.4437, 0.1649,
0.0715

■ 70.0521, 0.3204,
0.3452

■ 4.8468, 0.1587,
0.0648

■ 84.1102, 0.3299,
0.3657

■ 96.2216, 0.3390,
0.3786

■ 97.1872, 0.3424,
0.3780

Harmonies

Analogous

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



22.1987, 0.1895, 0.1965



22.1987, 0.2473, 0.2018



22.1987, 0.3331, 0.2315

Triad

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



22.1987, 0.2473, 0.2018



22.1987, 0.4850, 0.4051



22.1987, 0.2043, 0.3738

Complementary

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



22.1987, 0.2473, 0.2018



55.6428, 0.3617, 0.4395

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.



22.1987, 0.2738, 0.4662



22.1987, 0.2473, 0.2018



22.1987, 0.4361, 0.4655

Square

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



22.1987, 0.2473, 0.2018



22.1987, 0.4840, 0.3407



22.1987, 0.3587, 0.4981



22.1987, 0.1669, 0.2794

Rectangle

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



22.1987, 0.2473, 0.2018



22.1987, 0.3961, 0.2624



22.1987, 0.3587, 0.4981



22.1987, 0.2244, 0.4080

Sweetspot

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



22.1995, 0.2473, 0.2018



75.9137, 0.2961, 0.2950



44.5269, 0.2511, 0.3061



15.4626, 0.2929, 0.2887



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.



22.1995, 0.2473, 0.2018



28.3548, 0.2308, 0.1725



26.4988, 0.2889, 0.2154



10.9461, 0.3012, 0.3052



3.0491, 0.1597, 0.0654



0.1890, 0.1782, 0.0755

Inverse Universe

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



29.3402, 0.3354, 0.2423



41.6272, 0.3415, 0.2262



50.9511, 0.3265, 0.4534



11.3653, 0.3167, 0.3105



9.7977, 0.3760, 0.1845



0.5152, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 22.1987, 0.2473, 0.2018 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 22.1987, 0.2473, 0.2018 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 22.1987, 0.2473, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 22.1987, 0.2473, 0.2018.



This preview shows how white text looks on a background with the Yxy color 22.1987, 0.2473, 0.2018.

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

22.1987, 0.2473, 0.2018

Protanopia

22.4135, 0.2146, 0.1976

Deuteranopia

22.4537, 0.2199, 0.2150



Tritanopia

22.1488, 0.2903, 0.3111

Trichromacy



Original Color

22.1987, 0.2473, 0.2018

Protanomaly

22.1203, 0.2249, 0.1978

Deuteranomaly

22.1048, 0.2286, 0.2090

Tritanomaly

21.9620, 0.2733, 0.2654

Monochromacy



Original Color

22.1987, 0.2473, 0.2018

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6685, 0.2864, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1987, 0.2473, 0.2018 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(134, 117, 205)` looks like.

```
.text, #text, p{  
    color:rgb(134, 117, 205)  
}
```

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(134, 117, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 117, 205) }
```

Border

The CSS property to change the border of an element to Yxy 22.1987, 0.2473, 0.2018 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(134, 117, 205) }
```

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

```
.border{ border-color:rgb(134, 117, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 117, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 117, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 117, 205);  
box-shadow:4px 4px 4px 4px rgb(134, 117,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1987, 0.2473, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 117, 205) }
```

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

```
.background{ background-color: rgb(134,  
117, 205) }
```

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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