

Converting Colors

$Y_{xy}(21.9521, 0.2540, 0.2459)$

Have a look what the booklet for
Yxy(21.9521, 0.2540, 0.2459)
contains.

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Color

Yxy(22.0661, 0.2541, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	747FB1
RGB	116, 127, 177
RGB Percent	45%, 50%, 69%
CMY	0.5450, 0.5020, 0.3059
CMYK	0.34, 0.28, 0.00, 0.31
HSL	229°, 28%, 57%
HSV	229°, 34%, 69%
XYZ	22.7280, 22.0661, 44.6510
YIQ	129.4110, -22.6060, 13.2180

Conversions

Conversions Part 2

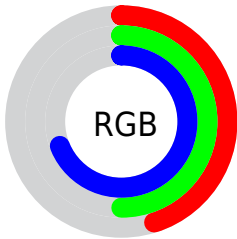
Format	Color
R_{YB}	116, 125, 177
Decimal	7634865
CIE _{Lab}	54.10, 8.20, -27.73
CIE _{LCh}	54, 28.920, 286.476
Yxy	22.0661, 0.2541, 0.2467
Android (android.graphics.Color)	4285824945 (0xFF747FB1)
YUV	129.4110, 23.4614, -11.7614
Hunter-Lab	46.9746, 4.1593, -23.4750

Details

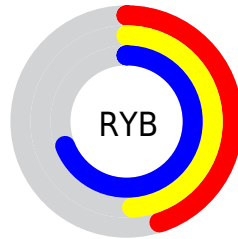
The Yxy color $22.0661, 0.2541, 0.2467$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $37.8812, 0.3684, 0.3996$, and the grayscale version is $22.0278, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0718, 0.2669, 0.2639$, and $8.0278, 0.2325, 0.2185$ is the 20% darker color. If you saturate the color by 10%, you get $17.4852, 0.2348, 0.2177$, and if you desaturate by 10%, it is $27.4196, 0.2727, 0.2737$.

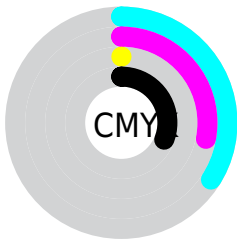
Distribution



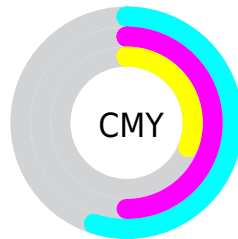
- Red (45%)
- Green (50%)
- Blue (69%)



- Red (45%)
- Yellow (49%)
- Blue (69%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)
- Black (31%)



- Cyan (55%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0661, 0.2541, 0.2467 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 22.0661, 0.2541, 0.2467 by changing the saturation by 10% instead.

■ 22.0661, 0.2541,
0.2467

■ 22.0661, 0.2541,
0.2467

■ 262.8913, 0.2866,
0.2910

■ 13.9055, 0.2449,
0.2347

■ 46.8552, 0.2667,
0.2636

■ 8.0550, 0.2324,
0.2187

■ 64.2525, 0.2712,
0.2697

■ 4.1301, 0.2147,
0.1966

■ 85.4975, 0.2749,
0.2747

■ 1.7466, 0.1880,
0.1646

■ 110.9745, 0.2780,
0.2790

■ 0.4536, 0.1438,
0.1033

■ 141.0680, 0.2807,
0.2827

■ 0.0000, 0.0000,
0.0000

176.1624, 0.2829,

0.2859

216.6420, 0.2849,
0.2886

■ 22.0661, 0.2541,
0.2467

■ 22.0661, 0.2541,
0.2467

■ 17.4852, 0.2348,
0.2177

■ 27.4196, 0.2727,
0.2737

■ 13.6382, 0.2154,
0.1876

■ 33.5768, 0.2901,
0.2982

■ 10.4868, 0.1971,
0.1577

■ 40.5703, 0.3061,
0.3201

■ 7.9882, 0.1808,
0.1295

■ 48.4300, 0.3205,
0.3394

■ 6.0946, 0.1677,
0.1049

■ 57.1844, 0.3335,
0.3562

■ 4.7509, 0.1585,
0.0854

■ 66.8607, 0.3450,
0.3709

■ 4.2011, 0.1547,
0.0769

■ 77.4847, 0.3552,
0.3836

■ 88.5838, 0.3623,
0.3950

■ 95.9540, 0.3591,
0.4057

Harmonies

Analogous

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



22.0661, 0.2261, 0.2546



22.0661, 0.2541, 0.2467



22.0661, 0.2994, 0.2575

Triad

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



22.0661, 0.2541, 0.2467



22.0661, 0.4162, 0.3616



22.0661, 0.2701, 0.3809

Complementary

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



22.0661, 0.2541, 0.2467



37.8812, 0.3684, 0.3996

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.



22.0661, 0.3191, 0.4166



22.0661, 0.2541, 0.2467



22.0661, 0.4050, 0.3988

Square

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



22.0661, 0.2541, 0.2467



22.0661, 0.3966, 0.3206



22.0661, 0.3688, 0.4214



22.0661, 0.2344, 0.3292

Rectangle

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



22.0661, 0.2541, 0.2467



22.0661, 0.3347, 0.2736



22.0661, 0.3688, 0.4214



22.0661, 0.2855, 0.3957

Sweetspot

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



22.0669, 0.2541, 0.2467



65.3180, 0.2971, 0.3079



37.9008, 0.2723, 0.3464



13.7901, 0.2949, 0.3049



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0669, 0.2541, 0.2467



33.4429, 0.2401, 0.2259



20.8458, 0.2710, 0.2332



8.4696, 0.2985, 0.3098



3.1101, 0.1551, 0.0784



0.1721, 0.1682, 0.1254

Inverse Universe

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



23.3724, 0.3777, 0.3130



36.4603, 0.3981, 0.3096



39.9387, 0.3452, 0.4189



8.5294, 0.3260, 0.3249



6.8541, 0.6096, 0.3132



0.2232, 0.5390, 0.2743

Previews

White Background



This preview shows how the Yxy color 22.0661, 0.2541, 0.2467 looks on a white background.

Color Contrast Check

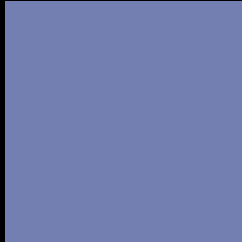
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0661, 0.2541, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

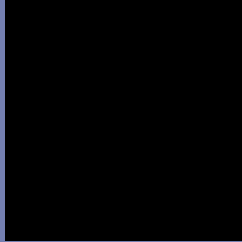
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0661, 0.2541, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 22.0661, 0.2541, 0.2467.



This preview shows how white text looks on a background with the Yxy color 22.0661, 0.2541, 0.2467.

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

22.0661, 0.2541, 0.2467

Protanopia

21.9305, 0.2523, 0.2463

Deuteranopia

21.9305, 0.2523, 0.2463



Tritanopia

21.9768, 0.2755, 0.3088

Trichromacy



Original Color

22.0661, 0.2541, 0.2467

Protanomaly

21.9979, 0.2532, 0.2465

Deuteranomaly

21.9979, 0.2532, 0.2465

Tritanomaly

22.0124, 0.2674, 0.2848

Monochromacy



Original Color

22.0661, 0.2541, 0.2467

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7988, 0.2895, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0661, 0.2541, 0.2467 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(116, 127, 177)` looks like.

```
.text, #text, p{  
    color:rgb(116, 127, 177)  
}
```

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(116, 127, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 127, 177) }
```

Border

The CSS property to change the border of an element to Yxy 22.0661, 0.2541, 0.2467 is called "border". The border property can be set on classes, ids or directly on the HTML element.

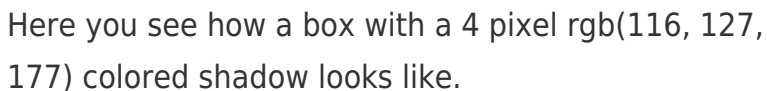
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 127, 177) }
```

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

```
.border{ border-color:rgb(116, 127, 177) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 127, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 127, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 127, 177); box-shadow:4px 4px 4px 4px rgb(116, 127, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0661, 0.2541, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 127, 177) }
```

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

```
.background{ background-color: rgb(116,  
127, 177) }
```

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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