

Converting Colors

$Y_{xy}(21.2510, 0.2441, 0.2451)$

Have a look what the booklet for
Yxy(21.2510, 0.2441, 0.2451)
contains.

Yxy(21.2564, 0.2445, 0.2459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2564, 0.2445, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	687FB0
RGB	104, 127, 176
RGB Percent	41%, 50%, 69%
CMY	0.5920, 0.5020, 0.3099
CMYK	0.41, 0.28, 0.00, 0.31
HSL	221°, 31%, 55%
HSV	221°, 41%, 69%
XYZ	21.1354, 21.2564, 44.0515
YIQ	125.7090, -29.4370, 10.3630

Conversions

Conversions Part 2

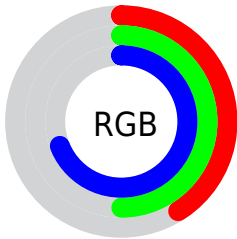
Format	Color
R_{YB}	104, 121, 176
Decimal	6848432
CIE _{Lab}	53.23, 4.52, -28.56
CIE _{LCh}	53, 28.916, 278.991
Y _{xy}	21.2564, 0.2445, 0.2459
Android (android.graphics.Color)	4285038512 (0xFF687FB0)
YUV	125.7090, 24.7935, -19.0388
Hunter-Lab	46.1047, 1.1451, -24.3764

Details

The Yxy color $21.2564, 0.2445, 0.2459$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $33.0133, 0.3849, 0.3996$, and the grayscale version is $20.6841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.7378, 0.2593, 0.2636$, and $7.6089, 0.2197, 0.2166$ is the 20% darker color. If you saturate the color by 10%, you get $17.3987, 0.2267, 0.2210$, and if you desaturate by 10%, it is $25.7035, 0.2623, 0.2693$.

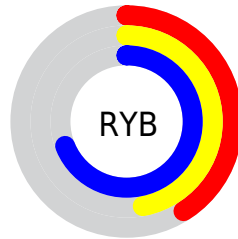
Distribution



Red (41%)

Green (50%)

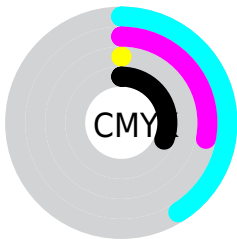
Blue (69%)



Red (41%)

Yellow (47%)

Blue (69%)

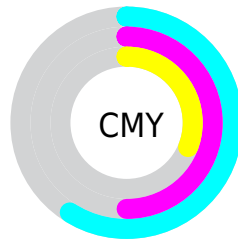


Cyan (41%)

Magenta (28%)

Yellow (0%)

Black (31%)



Cyan (59%)

Magenta (50%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2564, 0.2445, 0.2459 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 21.2564, 0.2445, 0.2459 by changing the saturation by 10% instead.

■ 21.2564, 0.2445,
0.2459

■ 21.2564, 0.2445,
0.2459

258.6380, 0.2822,
0.2912

■ 13.3116, 0.2339,
0.2334

■ 45.5139, 0.2591,
0.2632

■ 7.6434, 0.2195,
0.2168

■ 62.5953, 0.2643,
0.2695

■ 3.8676, 0.1993,
0.1937

■ 83.4910, 0.2686,
0.2746

■ 1.5998, 0.1692,
0.1602

■ 108.5854, 0.2722,
0.2790

■ 0.3575, 0.1123,
0.0892

138.2629, 0.2753,
0.2827

■ 0.0000, 0.0000,
0.0000

172.9079, 0.2779,

0.2859

212.9048, 0.2802,
0.2887

■ 21.2564, 0.2445,
0.2459

■ 21.2564, 0.2445,
0.2459

■ 17.3987, 0.2267,
0.2210

■ 25.7035, 0.2623,
0.2693

■ 14.1013, 0.2095,
0.1953

■ 30.7623, 0.2796,
0.2908

■ 11.3361, 0.1938,
0.1695

■ 36.4569, 0.2961,
0.3102

■ 9.0712, 0.1803,
0.1450

■ 42.8094, 0.3114,
0.3276

■ 7.2704, 0.1698,
0.1227

■ 49.8406, 0.3256,
0.3429

■ 5.9794, 0.1625,
0.1050

■ 57.5704, 0.3386,
0.3563

■ 66.0181, 0.3504,
0.3681

■ 75.2018, 0.3611,
0.3783

■ 83.7065, 0.3653,
0.3884

Harmonies

Analogous

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



21.2564, 0.2213, 0.2589



21.2564, 0.2445, 0.2459



21.2564, 0.2865, 0.2524

Triad

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



21.2564, 0.2445, 0.2459



21.2564, 0.4154, 0.3515



21.2564, 0.2811, 0.3931

Complementary

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



21.2564, 0.2445, 0.2459



33.0133, 0.3849, 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.



21.2564, 0.3322, 0.4221



21.2564, 0.2445, 0.2459



21.2564, 0.4117, 0.3910

Square

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



21.2564, 0.2445, 0.2459



21.2564, 0.3883, 0.3105



21.2564, 0.3803, 0.4189



21.2564, 0.2407, 0.3425

Rectangle

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



21.2564, 0.2445, 0.2459



21.2564, 0.3214, 0.2662



21.2564, 0.3803, 0.4189



21.2564, 0.2976, 0.4061

Sweetspot

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



21.2572, 0.2445, 0.2459



64.7014, 0.2939, 0.3078



36.2539, 0.2733, 0.3683



13.7301, 0.2919, 0.3054



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.



21.2572, 0.2445, 0.2459



32.2346, 0.2285, 0.2236



16.7551, 0.2499, 0.2095



8.6583, 0.2985, 0.3131



4.4835, 0.1630, 0.1068



0.2491, 0.1795, 0.1660

Inverse Universe

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



20.6667, 0.3811, 0.2952



31.7715, 0.4044, 0.2882



39.9333, 0.3610, 0.4326



8.5485, 0.3239, 0.3218



6.9927, 0.5657, 0.2890



0.2309, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 21.2564, 0.2445, 0.2459 looks on a white background.

Color Contrast Check

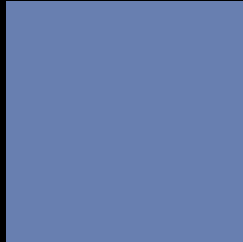
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2564, 0.2445, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

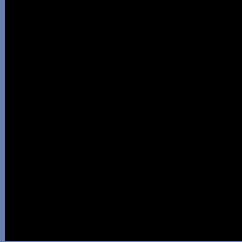
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

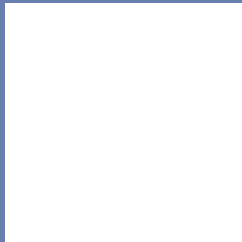
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2564, 0.2445, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 21.2564, 0.2445, 0.2459.

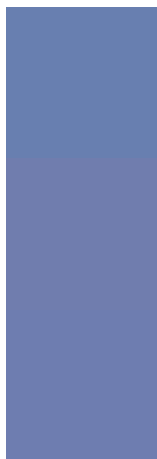


This preview shows how white text looks on a background with the Yxy color 21.2564, 0.2445, 0.2459.

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

21.2564, 0.2445, 0.2459

Protanopia

21.1680, 0.2524, 0.2467

Deuteranopia

21.1168, 0.2491, 0.2435



Tritanopia

21.2755, 0.2642, 0.3081

Trichromacy



Original Color

21.2564, 0.2445, 0.2459

Protanomaly

21.2681, 0.2492, 0.2464

Deuteranomaly

21.2444, 0.2476, 0.2448

Tritanomaly

21.2855, 0.2565, 0.2835

Monochromacy



Original Color

21.2564, 0.2445, 0.2459

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7869, 0.2848, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2564, 0.2445, 0.2459 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(104, 127, 176)` looks like.

```
.text, #text, p{  
    color:rgb(104, 127, 176)  
}
```

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(104, 127, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 127, 176) }
```

Border

The CSS property to change the border of an element to Yxy 21.2564, 0.2445, 0.2459 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(104, 127, 176) }
```

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

```
.border{ border-color:rgb(104, 127, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 127, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 127, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 127, 176);  
box-shadow:4px 4px 4px 4px rgb(104, 127,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2564, 0.2445, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 127, 176) }
```

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

```
.background{ background-color: rgb(104,  
127, 176) }
```

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