

Converting Colors

$Y_{xy}(21.2850, 0.2499, 0.2536)$

Have a look what the booklet for
Yxy(21.2850, 0.2499, 0.2536)
contains.

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Color

Yxy(21.1832, 0.2499, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	6A7FAB
RGB	106, 127, 171
RGB Percent	42%, 50%, 67%
CMY	0.5840, 0.5020, 0.3294
CMYK	0.38, 0.26, 0.00, 0.33
HSL	221°, 28%, 54%
HSV	221°, 38%, 67%
XYZ	20.8906, 21.1832, 41.5221
YIQ	125.7370, -26.6400, 9.2320

Conversions

Conversions Part 2

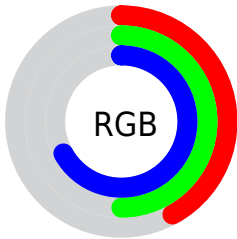
Format	Color
R_{YB}	106, 122, 171
Decimal	6979499
CIE _{Lab}	53.15, 3.69, -25.81
CIE _{LCh}	53, 26.073, 278.131
Yxy	21.1832, 0.2499, 0.2534
Android (android.graphics.Color)	4285169579 (0xFF6A7FAB)
YUV	125.7370, 22.3147, -17.3093
Hunter-Lab	46.0252, 0.4761, -21.2714

Details

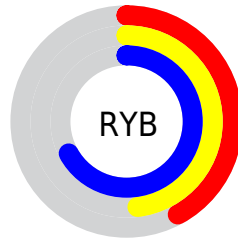
The Yxy color **21.1832, 0.2499, 0.2534** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.5448, 0.3790, 0.3942**, and the grayscale version is **20.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5044, 0.2636, 0.2705**, and **7.5929, 0.2261, 0.2250** is the 20% darker color. If you saturate the color by 10%, you get **17.4140, 0.2321, 0.2291**, and if you desaturate by 10%, it is **25.5076, 0.2676, 0.2761**.

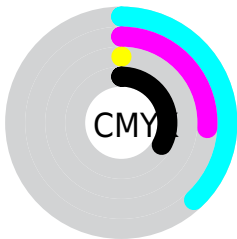
Distribution



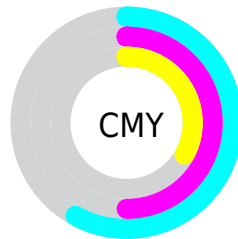
- Red (42%)
- Green (50%)
- Blue (67%)



- Red (42%)
- Yellow (48%)
- Blue (67%)



- Cyan (38%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)



- Cyan (58%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1832, 0.2499, 0.2534 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 21.1832, 0.2499, 0.2534 by changing the saturation by 10% instead.

■ 21.1832, 0.2499,
0.2534

■ 21.1832, 0.2499,
0.2534

258.2505, 0.2848,
0.2948

■ 13.2580, 0.2400,
0.2419

■ 45.3922, 0.2634,
0.2693

■ 7.6064, 0.2265,
0.2263

■ 62.4448, 0.2683,
0.2751

■ 3.8442, 0.2074,
0.2045

■ 83.3087, 0.2722,
0.2798

■ 1.5868, 0.1784,
0.1721

■ 108.3682, 0.2756,
0.2838

■ 0.3487, 0.1190,
0.0985

138.0077, 0.2784,
0.2871

■ 0.0000, 0.0000,
0.0000

172.6117, 0.2808,

0.2901

212.5645, 0.2829,
0.2926

■ 21.1832, 0.2499,
0.2534

■ 21.1832, 0.2499,
0.2534

■ 17.4140, 0.2321,
0.2291

■ 25.5076, 0.2676,
0.2761

■ 14.1734, 0.2147,
0.2036

■ 30.4074, 0.2846,
0.2969

■ 11.4362, 0.1985,
0.1780

■ 35.9044, 0.3007,
0.3156

■ 9.1737, 0.1844,
0.1530

■ 42.0188, 0.3157,
0.3322

■ 7.3539, 0.1729,
0.1300

■ 48.7697, 0.3295,
0.3469

■ 5.9315, 0.1644,
0.1098

■ 56.1754, 0.3421,
0.3597

■ 5.6807, 0.1628,
0.1060

■ 64.2532, 0.3536,
0.3710

■ 73.0200, 0.3640,
0.3808

■ 81.5353, 0.3697,
0.3901

Harmonies

Analogous

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



21.1832, 0.2291, 0.2662



21.1832, 0.2499, 0.2534



21.1832, 0.2879, 0.2587

Triad

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



21.1832, 0.2499, 0.2534



21.1832, 0.4050, 0.3490



21.1832, 0.2856, 0.3874

Complementary

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



21.1832, 0.2499, 0.2534



31.5448, 0.3790, 0.3942

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.



21.1832, 0.3321, 0.4128



21.1832, 0.2499, 0.2534



21.1832, 0.4028, 0.3849

Square

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



21.1832, 0.2499, 0.2534



21.1832, 0.3798, 0.3115



21.1832, 0.3754, 0.4099



21.1832, 0.2483, 0.3428

Rectangle

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



21.1832, 0.2499, 0.2534



21.1832, 0.3194, 0.2710



21.1832, 0.3754, 0.4099



21.1832, 0.3007, 0.3988

Sweetspot

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



21.1840, 0.2499, 0.2534



61.0059, 0.2956, 0.3098



34.3808, 0.2757, 0.3650



13.3137, 0.2935, 0.3074



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.1840, 0.2499, 0.2534



31.9182, 0.2341, 0.2320



17.0373, 0.2554, 0.2194



8.1627, 0.2986, 0.3132



4.3679, 0.1633, 0.1078



0.2221, 0.1810, 0.1715

Inverse Universe

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



20.5134, 0.3739, 0.2974



31.1795, 0.3955, 0.2902



37.6660, 0.3577, 0.4250



8.0563, 0.3238, 0.3217



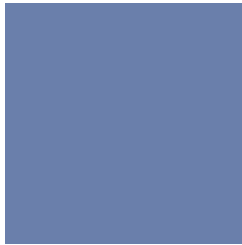
6.7440, 0.5643, 0.2882



0.1978, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 21.1832, 0.2499, 0.2534 looks on a white background.

Color Contrast Check

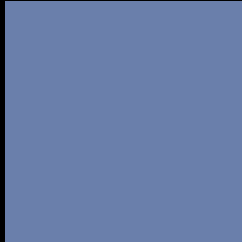
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1832, 0.2499, 0.2534 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

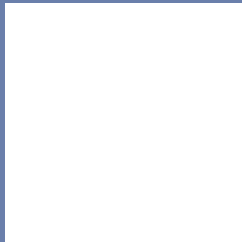
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1832, 0.2499, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 21.1832, 0.2499, 0.2534.



This preview shows how white text looks on a background with the Yxy color 21.1832, 0.2499, 0.2534.

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

21.1832, 0.2499, 0.2534

Protanopia

21.1469, 0.2574, 0.2528

Deuteranopia

21.1849, 0.2566, 0.2513



Tritanopia

21.1383, 0.2676, 0.3082

Trichromacy



Original Color

21.1832, 0.2499, 0.2534

Protanomaly

21.2035, 0.2548, 0.2540

Deuteranomaly

21.2415, 0.2540, 0.2525

Tritanomaly

21.0900, 0.2614, 0.2869

Monochromacy



Original Color

21.1832, 0.2499, 0.2534

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7966, 0.2879, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1832, 0.2499, 0.2534 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(106, 127, 171)` looks like.

```
.text, #text, p{  
    color:rgb(106, 127, 171)  
}
```

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(106, 127, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 127, 171) }
```

Border

The CSS property to change the border of an element to Yxy 21.1832, 0.2499, 0.2534 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(106, 127, 171) }
```

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

```
.border{ border-color:rgb(106, 127, 171) }
```

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

Here you see how a box with a 4 pixel rgb(106, 127, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 127, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 127, 171);  
box-shadow:4px 4px 4px 4px rgb(106, 127,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1832, 0.2499, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 127, 171) }
```

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

```
.background{ background-color: rgb(106,  
127, 171) }
```

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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