

Converting Colors

$Y_{xy}(21.2305, 0.2411, 0.2325)$

Have a look what the booklet for
Yxy(21.2305, 0.2411, 0.2325)
contains.

Yxy(21.2537, 0.2407, 0.2321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2537, 0.2407, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	6B7DB8
RGB	107, 125, 184
RGB Percent	42%, 49%, 72%
CMY	0.5806, 0.5097, 0.2785
CMYK	0.42, 0.32, 0.00, 0.28
HSL	226°, 35%, 57%
HSV	226°, 42%, 72%
XYZ	22.0412, 21.2537, 48.2764
YIQ	126.3440, -29.6670, 14.5330

Conversions

Conversions Part 2

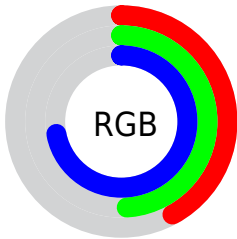
Format	Color
R _Y B	107, 122, 184
Decimal	7044536
CIE Lab	53.23, 8.80, -33.15
CIE LCh	53, 34.299, 284.864
Yxy	21.2537, 0.2407, 0.2321
Android (android.graphics.Color)	4285234616 (0xFF6B7DB8)
YUV	126.3440, 28.4244, -16.9647
Hunter-Lab	46.1017, 4.6627, -29.8155

Details

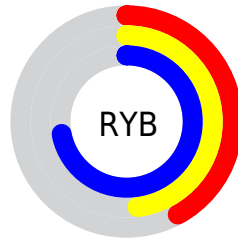
The Yxy color $21.2537, 0.2407, 0.2321$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $38.4831, 0.3836, 0.4097$, and the grayscale version is $20.8930, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3126, 0.2561, 0.2514$, and $7.5918, 0.2142, 0.1982$ is the 20% darker color. If you saturate the color by 10%, you get $16.9172, 0.2219, 0.2039$, and if you desaturate by 10%, it is $26.3397, 0.2594, 0.2588$.

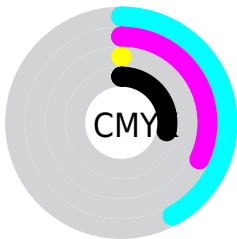
Distribution



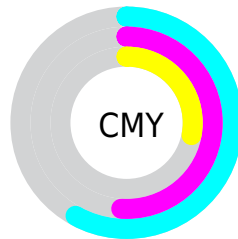
- Red (42%)
- Green (49%)
- Blue (72%)



- Red (42%)
- Yellow (48%)
- Blue (72%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (28%)



- Cyan (58%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2537, 0.2407, 0.2321 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 21.2537, 0.2407, 0.2321 by changing the saturation by 10% instead.

■ 21.2537, 0.2407,
0.2321

■ 21.2537, 0.2407,
0.2321

■ 258.6237, 0.2805,
0.2841

■ 13.3096, 0.2296,
0.2182

■ 45.5094, 0.2561,
0.2517

■ 7.6421, 0.2147,
0.1999

■ 62.5897, 0.2616,
0.2589

■ 3.8668, 0.1938,
0.1751

■ 83.4843, 0.2661,
0.2648

■ 1.5993, 0.1633,
0.1403

■ 108.5774, 0.2699,
0.2699

■ 0.3571, 0.1136,
0.0732

■ 138.2535, 0.2732,
0.2742

■ 0.0000, 0.0000,
0.0000

172.8970, 0.2760,

0.2779

212.8923, 0.2784,
0.2812

■ 21.2537, 0.2407,
0.2321

■ 21.2537, 0.2407,
0.2321

■ 16.9172, 0.2219,
0.2039

■ 26.3397, 0.2594,
0.2588

■ 13.2911, 0.2037,
0.1753

■ 32.2070, 0.2775,
0.2835

■ 10.3364, 0.1873,
0.1474

■ 38.8881, 0.2944,
0.3057

■ 8.0086, 0.1735,
0.1219

■ 46.4133, 0.3100,
0.3256

■ 6.2576, 0.1632,
0.1002

■ 54.8109, 0.3241,
0.3430

■ 5.2009, 0.1572,
0.0859

■ 64.1082, 0.3369,
0.3583

■ 74.3311, 0.3484,
0.3716

■ 85.5046, 0.3587,
0.3831

■ 94.1768, 0.3558,
0.3960

Harmonies

Analogous

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



21.2537, 0.2097, 0.2417



21.2537, 0.2407, 0.2321



21.2537, 0.2929, 0.2439

Triad

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



21.2537, 0.2407, 0.2321



21.2537, 0.4365, 0.3631



21.2537, 0.2640, 0.3953

Complementary

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



21.2537, 0.2407, 0.2321



38.4831, 0.3836, 0.4097

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.



21.2537, 0.3224, 0.4372



21.2537, 0.2407, 0.2321



21.2537, 0.4240, 0.4083

Square

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



21.2537, 0.2407, 0.2321



21.2537, 0.4114, 0.3155



21.2537, 0.3812, 0.4388



21.2537, 0.2214, 0.3316

Rectangle

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



21.2537, 0.2407, 0.2321



21.2537, 0.3351, 0.2620



21.2537, 0.3812, 0.4388



21.2537, 0.2824, 0.4132

Sweetspot

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



21.2545, 0.2407, 0.2321



68.7980, 0.2922, 0.3029



40.1009, 0.2682, 0.3591



14.2392, 0.2885, 0.2981



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.2545, 0.2407, 0.2321



31.4294, 0.2238, 0.2069



18.4133, 0.2542, 0.2077



9.0525, 0.2985, 0.3110



3.6779, 0.1577, 0.0878



0.2270, 0.1718, 0.1385

Inverse Universe

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



22.1717, 0.3930, 0.3035



34.0072, 0.4202, 0.2985



43.3020, 0.3562, 0.4377



9.0458, 0.3252, 0.3237



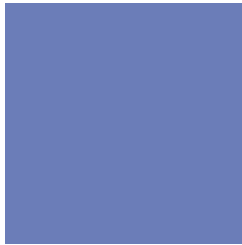
7.1536, 0.5946, 0.3049



0.2620, 0.5211, 0.2645

Previews

White Background



This preview shows how the Yxy color 21.2537, 0.2407, 0.2321 looks on a white background.

Color Contrast Check

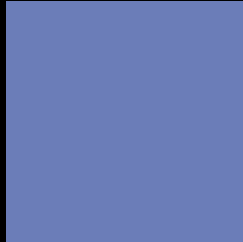
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2537, 0.2407, 0.2321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

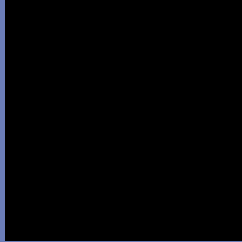
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

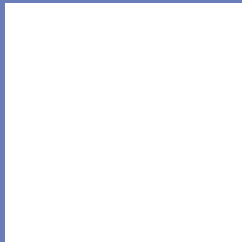
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2537, 0.2407, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 21.2537, 0.2407, 0.2321.



This preview shows how white text looks on a background with the Yxy color 21.2537, 0.2407, 0.2321.

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

21.2537, 0.2407, 0.2321

Protanopia

21.3161, 0.2416, 0.2323

Deuteranopia

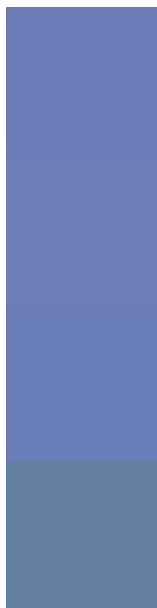
21.3255, 0.2386, 0.2332



Tritanopia

21.2755, 0.2642, 0.3081

Trichromacy



Original Color

21.2537, 0.2407, 0.2321

Protanomaly

21.3161, 0.2416, 0.2323

Deuteranomaly

21.3857, 0.2394, 0.2334

Tritanomaly

21.1778, 0.2547, 0.2767

Monochromacy



Original Color

21.2537, 0.2407, 0.2321

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9502, 0.2830, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2537, 0.2407, 0.2321 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(107, 125, 184)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 184)  
}
```

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(107, 125, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 184) }
```

Border

The CSS property to change the border of an element to Yxy 21.2537, 0.2407, 0.2321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

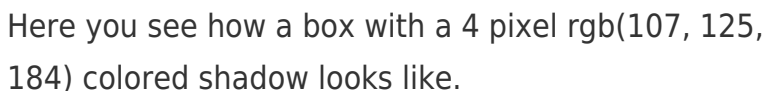
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 125, 184) }
```

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

```
.border{ border-color:rgb(107, 125, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 125, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 125, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 125, 184); box-shadow:4px 4px 4px 4px rgb(107, 125, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2537, 0.2407, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 184) }
```

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

```
.background{ background-color: rgb(107,  
125, 184) }
```

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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