

Converting Colors

$Y_{xy}(21.6235, 0.2217, 0.2060)$

Have a look what the booklet for
Yxy(21.6235, 0.2217, 0.2060)
contains.

Yxy(21.6235, 0.2217, 0.2060)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6235, 0.2217, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	627DCC
RGB	98, 125, 204
RGB Percent	38%, 49%, 80%
CMY	0.6156, 0.5098, 0.2000
CMYK	0.52, 0.39, 0.00, 0.20
HSL	225°, 51%, 59%
HSV	225°, 52%, 80%
XYZ	23.2715, 21.6235, 60.0734
YIQ	125.9330, -41.4510, 18.8450

Conversions

Conversions Part 2

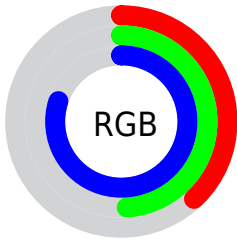
Format	Color
R _Y B	98, 120, 204
Decimal	6454732
CIE Lab	53.63, 12.69, -43.99
CIE LCh	54, 45.786, 286.091
Yxy	21.6235, 0.2217, 0.2060
Android (android.graphics.Color)	4284644812 (0xFF627DCC)
YUV	125.9330, 38.4870, -24.4972
Hunter-Lab	46.5011, 7.9536, -44.0443

Details

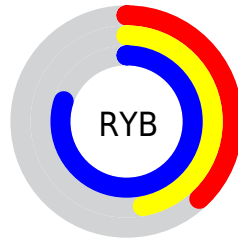
The Yxy color **21.6235, 0.2217, 0.2060** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **45.1767, 0.4040, 0.4260**, and the grayscale version is **20.7197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5343, 0.2433, 0.2353**, and **7.8710, 0.1914, 0.1704** is the 20% darker color. If you saturate the color by 10%, you get **17.0699, 0.2037, 0.1778**, and if you desaturate by 10%, it is **27.0574, 0.2404, 0.2337**.

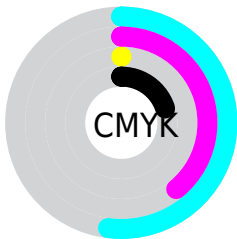
Distribution



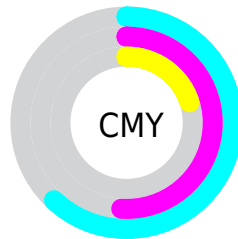
- Red (38%)
- Green (49%)
- Blue (80%)



- Red (38%)
- Yellow (47%)
- Blue (80%)



- Cyan (52%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (62%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6235, 0.2217, 0.2060 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 21.6235, 0.2217, 0.2060 by changing the saturation by 10% instead.

■ 21.6235, 0.2217,
0.2060

■ 21.6235, 0.2217,
0.2060

260.5737, 0.2711,
0.2701

■ 13.5805, 0.2085,
0.1898

■ 46.1229, 0.2404,
0.2296

■ 7.8295, 0.1912,
0.1692

■ 63.3482, 0.2472,
0.2384

■ 3.9860, 0.1680,
0.1425

■ 84.4029, 0.2529,
0.2458

■ 1.6658, 0.1360,
0.1077

■ 109.6717, 0.2577,
0.2521

■ 0.4013, 0.0921,
0.0534

139.5387, 0.2618,
0.2575

■ 0.0000, 0.0000,
0.0000

174.3885, 0.2653,

0.2622

214.6053, 0.2684,
0.2664

■ 21.6235, 0.2217,
0.2060

■ 21.6235, 0.2217,
0.2060

■ 17.0699, 0.2037,
0.1778

■ 27.0574, 0.2404,
0.2337

■ 13.3451, 0.1875,
0.1502

■ 33.4145, 0.2591,
0.2599

■ 10.3954, 0.1739,
0.1249

■ 40.7372, 0.2772,
0.2841

■ 8.1587, 0.1638,
0.1031

■ 49.0649, 0.2941,
0.3060

■ 6.8080, 0.1580,
0.0887

■ 58.4345, 0.3098,
0.3255

■ 68.8810, 0.3241,
0.3426

■ 80.4378, 0.3371,
0.3576

■ 91.9363, 0.3445,
0.3713

■ 97.1396, 0.3430,
0.3790

Harmonies

Analogous

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



21.6235, 0.1827, 0.2150



21.6235, 0.2217, 0.2060



21.6235, 0.2887, 0.2222

Triad

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



21.6235, 0.2217, 0.2060



21.6235, 0.4759, 0.3703



21.6235, 0.2445, 0.4160

Complementary

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



21.6235, 0.2217, 0.2060



45.1767, 0.4040, 0.4260

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.



21.6235, 0.3186, 0.4754



21.6235, 0.2217, 0.2060



21.6235, 0.4543, 0.4290

Square

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



21.6235, 0.2217, 0.2060



21.6235, 0.4461, 0.3114



21.6235, 0.3954, 0.4735



21.6235, 0.1929, 0.3265

Rectangle

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



21.6235, 0.2217, 0.2060



21.6235, 0.3445, 0.2450



21.6235, 0.3954, 0.4735



21.6235, 0.2676, 0.4418

Sweetspot

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



21.6242, 0.2217, 0.2060



75.1714, 0.2870, 0.2970



48.9083, 0.2611, 0.3708



15.4766, 0.2835, 0.2924



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.



21.6242, 0.2217, 0.2060



27.6853, 0.2023, 0.1753



17.2933, 0.2342, 0.1731



11.3003, 0.2983, 0.3112



4.4128, 0.1586, 0.0910



0.3529, 0.1695, 0.1301

Inverse Universe

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



23.0587, 0.4219, 0.2951



31.6009, 0.4598, 0.2904



53.6844, 0.3665, 0.4635



11.2597, 0.3251, 0.3231



8.2485, 0.5897, 0.3022



0.4382, 0.5325, 0.2707

Previews

White Background



This preview shows how the Yxy color 21.6235, 0.2217, 0.2060 looks on a white background.

Color Contrast Check

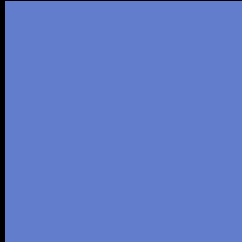
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6235, 0.2217, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

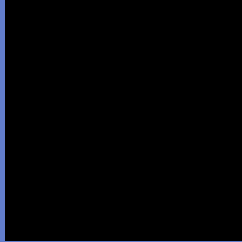
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6235, 0.2217, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 21.6235, 0.2217, 0.2060.



This preview shows how white text looks on a background with the Yxy color 21.6235, 0.2217, 0.2060.

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

21.6235, 0.2217, 0.2060

Protanopia

21.5683, 0.2210, 0.2058

Deuteranopia

21.6814, 0.2151, 0.2096



Tritanopia

21.6917, 0.2485, 0.3077

Trichromacy



Original Color

21.6235, 0.2217, 0.2060

Protanomaly

21.5683, 0.2210, 0.2058

Deuteranomaly

21.6642, 0.2177, 0.2088

Tritanomaly

21.5806, 0.2380, 0.2662

Monochromacy



Original Color

21.6235, 0.2217, 0.2060

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9678, 0.2733, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6235, 0.2217, 0.2060 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(98, 125, 204)` looks like.

```
.text, #text, p{  
    color:rgb(98, 125, 204)  
}
```

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(98, 125, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 125, 204) }
```

Border

The CSS property to change the border of an element to Yxy 21.6235, 0.2217, 0.2060 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(98, 125, 204) }
```

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

```
.border{ border-color:rgb(98, 125, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 125, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 125, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 125, 204);  
box-shadow:4px 4px 4px 4px rgb(98, 125,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6235, 0.2217, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 125, 204) }
```

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

```
.background{ background-color: rgb(98, 125,  
204) }
```

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