

Converting Colors

$Y_{xy}(21.5385, 0.2341, 0.2087)$

Have a look what the booklet for
Yxy(21.5385, 0.2341, 0.2087)
contains.

Yxy(21.5999, 0.2341, 0.2090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.5999, 0.2341, 0.2090)

Conversions

Conversions Part 1

Format	Color
Hex	717AC8
RGB	113, 122, 200
RGB Percent	44%, 48%, 78%
CMY	0.5570, 0.5215, 0.2156
CMYK	0.44, 0.39, 0.00, 0.22
HSL	234°, 44%, 61%
HSV	234°, 44%, 78%
XYZ	24.1940, 21.5999, 57.5549
YIQ	128.2010, -30.4020, 22.3500

Conversions

Conversions Part 2

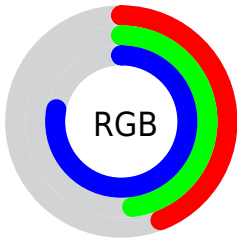
Format	Color
R_{YB}	113, 121, 200
Decimal	7437000
CIE _{Lab}	53.60, 16.88, -41.71
CIE _{LCh}	54, 44.996, 292.032
Yxy	21.5999, 0.2341, 0.2090
Android (android.graphics.Color)	4285627080 (0xFF717AC8)
YUV	128.2010, 35.3969, -13.3313
Hunter-Lab	46.4757, 11.5897, -40.8911

Details

The Yxy color **21.5999, 0.2341, 0.2090** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.7314, 0.3812, 0.4257**, and the grayscale version is **21.5412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8169, 0.2517, 0.2338**, and **7.8724, 0.2063, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **16.4137, 0.2137, 0.1763**, and if you desaturate by 10%, it is **27.8920, 0.2543, 0.2408**.

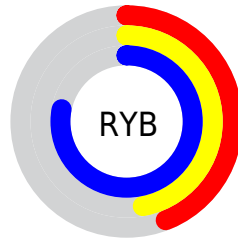
Distribution



Red (44%)

Green (48%)

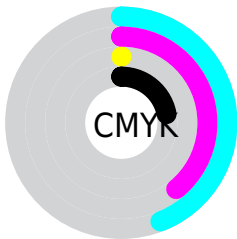
Blue (78%)



Red (44%)

Yellow (47%)

Blue (78%)

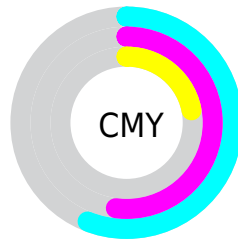


Cyan (44%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (56%)

Magenta (52%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5999, 0.2341, 0.2090 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 21.5999, 0.2341, 0.2090 by changing the saturation by 10% instead.

■ 21.5999, 0.2341,
0.2090

■ 21.5999, 0.2341,
0.2090

260.4497, 0.2774,
0.2714

■ 13.5632, 0.2223,
0.1932

■ 46.0838, 0.2507,
0.2320

■ 7.8175, 0.2066,
0.1730

■ 63.2998, 0.2566,
0.2405

■ 3.9784, 0.1851,
0.1468

■ 84.3444, 0.2616,
0.2477

■ 1.6615, 0.1548,
0.1122

109.6020, 0.2658,
0.2539

■ 0.3985, 0.1122,
0.0565

139.4569, 0.2693,
0.2592

■ 0.0000, 0.0000,
0.0000

174.2935, 0.2724,

0.2638

214.4963, 0.2750,
0.2678

■ 21.5999, 0.2341,
0.2090

■ 21.5999, 0.2341,
0.2090

■ 16.4137, 0.2137,
0.1763

■ 27.8920, 0.2543,
0.2408

■ 12.2668, 0.1944,
0.1444

■ 35.3465, 0.2736,
0.2704

■ 9.0893, 0.1775,
0.1154

■ 44.0189, 0.2914,
0.2973

■ 6.8013, 0.1642,
0.0915

■ 53.9606, 0.3075,
0.3213

■ 5.3102, 0.1555,
0.0742

■ 65.2198, 0.3218,
0.3423

■ 4.6994, 0.1519,
0.0668

■ 77.8423, 0.3344,
0.3605

■ 91.8716, 0.3454,
0.3763

■ 96.9515, 0.3454,
0.3830

Harmonies

Analogous

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



21.5999, 0.1899, 0.2127



21.5999, 0.2341, 0.2090



21.5999, 0.3049, 0.2294

Triad

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



21.5999, 0.2341, 0.2090



21.5999, 0.4729, 0.3818



21.5999, 0.2333, 0.3977

Complementary

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



21.5999, 0.2341, 0.2090



50.7314, 0.3812, 0.4257

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.



21.5999, 0.3034, 0.4657



21.5999, 0.2341, 0.2090



21.5999, 0.4431, 0.4383

Square

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



21.5999, 0.2341, 0.2090



21.5999, 0.4537, 0.3230



21.5999, 0.3802, 0.4759



21.5999, 0.1882, 0.3103

Rectangle

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



21.5999, 0.2341, 0.2090



21.5999, 0.3608, 0.2544



21.5999, 0.3802, 0.4759



21.5999, 0.2547, 0.4252

Sweetspot

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



21.6007, 0.2341, 0.2090



76.7345, 0.2920, 0.2982



48.5425, 0.2599, 0.3434



15.6613, 0.2881, 0.2925



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.



21.6007, 0.2341, 0.2090



29.0428, 0.2153, 0.1789



22.1164, 0.2620, 0.2052



10.4618, 0.2983, 0.3076



3.0508, 0.1522, 0.0680



0.2060, 0.1591, 0.0925

Inverse Universe

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



25.4914, 0.4139, 0.3174



37.0599, 0.4486, 0.3154



50.6914, 0.3480, 0.4466



10.6545, 0.3273, 0.3266



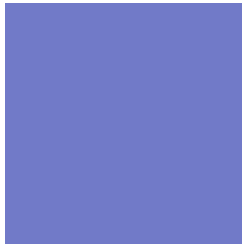
7.8480, 0.6265, 0.3225



0.3778, 0.5872, 0.3009

Previews

White Background



This preview shows how the Yxy color 21.5999, 0.2341, 0.2090 looks on a white background.

Color Contrast Check

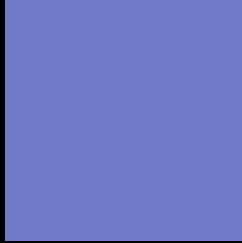
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5999, 0.2341, 0.2090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

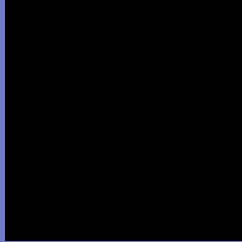
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5999, 0.2341, 0.2090

Background



This preview shows how black text looks on a background with the Yxy color 21.5999, 0.2341, 0.2090.



This preview shows how white text looks on a background with the Yxy color 21.5999, 0.2341, 0.2090.

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

21.5999, 0.2341, 0.2090

Protanopia

21.5757, 0.2222, 0.2071

Deuteranopia

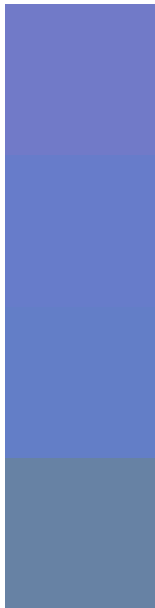
21.7860, 0.2208, 0.2153



Tritanopia

21.6605, 0.2663, 0.3101

Trichromacy



Original Color

21.5999, 0.2341, 0.2090

Protanomaly

21.5631, 0.2260, 0.2077

Deuteranomaly

21.6979, 0.2255, 0.2135

Tritanomaly

21.5292, 0.2534, 0.2691

Monochromacy



Original Color

21.5999, 0.2341, 0.2090

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4658, 0.2805, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5999, 0.2341, 0.2090 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(113, 122, 200)` looks like.

```
.text, #text, p{  
    color:rgb(113, 122, 200)  
}
```

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(113, 122, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 122, 200) }
```

Border

The CSS property to change the border of an element to Yxy 21.5999, 0.2341, 0.2090 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(113, 122, 200) }
```

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

```
.border{ border-color:rgb(113, 122, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 122, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 122, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 122, 200); box-shadow:4px 4px 4px 4px rgb(113, 122, 200) }
```


Background

The CSS property to change the background color of an element to `Yxy 21.5999, 0.2341, 0.2090` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 122, 200) }
```

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

```
.background{ background-color: rgb(113,  
122, 200) }
```

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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