

Converting Colors

$Y_{xy}(12.5000, 0.1957, 0.1584)$

Have a look what the booklet for
Yxy(12.5000, 0.1957, 0.1584)
contains.

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Color

Yxy(12.5741, 0.1960, 0.1593)

Conversions

Conversions Part 1

Format	Color
Hex	425CBF
RGB	66, 92, 191
RGB Percent	26%, 36%, 75%
CMY	0.7415, 0.6391, 0.2511
CMYK	0.65, 0.52, 0.00, 0.25
HSL	227°, 49%, 50%
HSV	227°, 65%, 75%
XYZ	15.4710, 12.5741, 50.8884
YIQ	95.5120, -47.2750, 25.2770

Conversions

Conversions Part 2

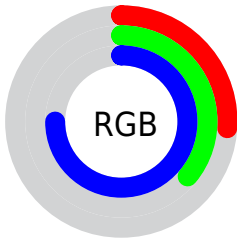
Format	Color
R _Y B	66, 88, 191
Decimal	4349119
CIE Lab	42.11, 22.51, -55.01
CIE LCh	42, 59.438, 292.251
Yxy	12.5741, 0.1960, 0.1593
Android (android.graphics.Color)	4282539199 (0xFF425CBF)
YUV	95.5120, 47.0756, -25.8820
Hunter-Lab	35.4600, 15.8234, -60.2647

Details

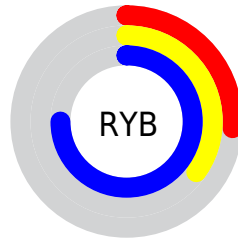
The Yxy color **12.5741, 0.1960, 0.1593** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **38.3260, 0.4229, 0.4516**, and the grayscale version is **11.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5589, 0.2220, 0.1926**, and **3.8392, 0.1652, 0.1146** is the 20% darker color. If you saturate the color by 10%, you get **9.6565, 0.1802, 0.1317**, and if you desaturate by 10%, it is **16.2359, 0.2140, 0.1886**.

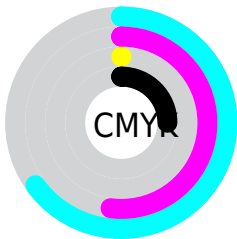
Distribution



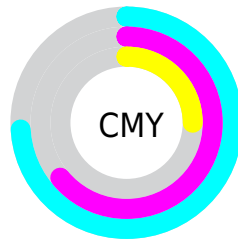
- Red (26%)
- Green (36%)
- Blue (75%)



- Red (26%)
- Yellow (35%)
- Blue (75%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)
- Black (25%)



- Cyan (74%)
- Magenta (64%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5741, 0.1960, 0.1593 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 12.5741, 0.1960, 0.1593 by changing the saturation by 10% instead.

■ 12.5741, 0.1960,
0.1593

■ 12.5741, 0.1960,
0.1593

■ 208.1698, 0.2630,
0.2494

■ 7.1359, 0.1773,
0.1369

■ 30.5365, 0.2221,
0.1924

■ 3.5473, 0.1527,
0.1093

■ 43.8295, 0.2314,
0.2049

■ 1.4237, 0.1202,
0.0759

■ 60.5096, 0.2391,
0.2153

■ 0.2341, 0.0793,
0.0240

■ 80.9611, 0.2455,
0.2242

■ 0.0000, 0.0000,
0.0000

■ 105.5685, 0.2509,
0.2318

134.7162, 0.2555,

0.2385

168.7885, 0.2595,
0.2443

■ 12.5741, 0.1960,
0.1593

■ 12.5741, 0.1960,
0.1593

■ 9.6565, 0.1802,
0.1317

■ 16.2359, 0.2140,
0.1886

■ 7.4277, 0.1676,
0.1075

■ 20.6894, 0.2330,
0.2180

■ 5.8250, 0.1589,
0.0880

■ 25.9790, 0.2522,
0.2463

■ 5.2700, 0.1558,
0.0808

■ 32.1458, 0.2708,
0.2728

■ 39.2277, 0.2883,
0.2968

■ 47.2606, 0.3045,
0.3183

■ 56.2785, 0.3192,
0.3373

■ 66.3134, 0.3324,
0.3539

■ 77.3960, 0.3442,
0.3683

Harmonies

Analogous

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



12.5741, 0.1386, 0.1608



12.5741, 0.1960, 0.1593



12.5741, 0.2976, 0.1869

Triad

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



12.5741, 0.1960, 0.1593



12.5741, 0.5511, 0.3860



12.5741, 0.1871, 0.4399

Complementary

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



12.5741, 0.1960, 0.1593



38.3260, 0.4229, 0.4516

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.



12.5741, 0.2846, 0.5584



12.5741, 0.1960, 0.1593



12.5741, 0.4925, 0.4715

Square

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



12.5741, 0.1960, 0.1593



12.5741, 0.5335, 0.3094



12.5741, 0.3945, 0.5505



12.5741, 0.1309, 0.2897

Rectangle

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



12.5741, 0.1960, 0.1593



12.5741, 0.3854, 0.2201



12.5741, 0.3945, 0.5505



12.5741, 0.2161, 0.4904

Sweetspot

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



12.5745, 0.1960, 0.1593



63.9407, 0.2800, 0.2855



41.0828, 0.2501, 0.3729



13.2612, 0.2750, 0.2786



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.5745, 0.1960, 0.1593



15.2500, 0.1738, 0.1197



10.4332, 0.2159, 0.1345



9.5396, 0.2984, 0.3103



3.5605, 0.1563, 0.0828



0.2355, 0.1688, 0.1277

Inverse Universe

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



15.7325, 0.4791, 0.2973



23.0746, 0.5391, 0.2985



44.6662, 0.3696, 0.4968



9.5681, 0.3256, 0.3242



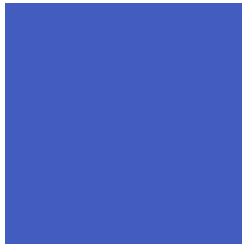
7.3891, 0.6025, 0.3093



0.2991, 0.5359, 0.2726

Previews

White Background



This preview shows how the Yxy color 12.5741, 0.1960, 0.1593 looks on a white 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

Black Background



This preview shows how the Yxy color 12.5741, 0.1960, 0.1593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

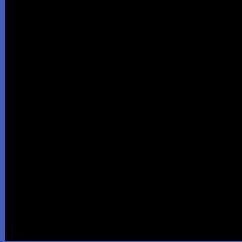
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5741, 0.1960, 0.1593

Background



This preview shows how black text looks on a background with the Yxy color 12.5741, 0.1960, 0.1593.



This preview shows how white text looks on a background with the Yxy color 12.5741, 0.1960, 0.1593.

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

12.5741, 0.1960, 0.1593

Protanopia

12.6992, 0.1831, 0.1572

Deuteranopia

12.4817, 0.1840, 0.1824



Tritanopia

12.5549, 0.2206, 0.3062

Trichromacy



Original Color

12.5741, 0.1960, 0.1593

Protanomaly

12.7078, 0.1870, 0.1579

Deuteranomaly

12.3070, 0.1846, 0.1723

Tritanomaly

12.0361, 0.2059, 0.2355

Monochromacy



Original Color

12.5741, 0.1960, 0.1593

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5019, 0.2546, 0.2505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5741, 0.1960, 0.1593 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(66, 92, 191)` looks like.

```
.text, #text, p{  
    color:rgb(66, 92, 191)  
}
```

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(66, 92, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 92, 191) }
```

Border

The CSS property to change the border of an element to Yxy 12.5741, 0.1960, 0.1593 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(66, 92, 191) }
```

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

```
.border{ border-color:rgb(66, 92, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 92, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 92, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 92, 191);  
box-shadow:4px 4px 4px 4px rgb(66, 92,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5741, 0.1960, 0.1593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 92, 191) }
```

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

```
.background{ background-color: rgb(66, 92,  
191) }
```

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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