

Converting Colors

$Y_{xy}(18.6474, 0.2268, 0.2131)$

Have a look what the booklet for
Yxy(18.6474, 0.2268, 0.2131)
contains.

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Color

Yxy(18.6474, 0.2268, 0.2131)

Conversions

Conversions Part 1

Format	Color
Hex	5E75BA
RGB	94, 117, 186
RGB Percent	37%, 46%, 73%
CMY	0.6311, 0.5412, 0.2706
CMYK	0.49, 0.37, 0.00, 0.27
HSL	225°, 40%, 55%
HSV	225°, 49%, 73%
XYZ	19.8462, 18.6474, 49.0118
YIQ	117.9890, -35.8570, 16.5830

Conversions

Conversions Part 2

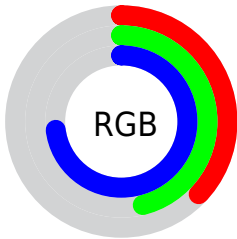
Format	Color
R _Y B	94, 112, 186
Decimal	6190522
CIE Lab	50.27, 10.98, -39.01
CIE LCh	50, 40.529, 285.712
Yxy	18.6474, 0.2268, 0.2131
Android (android.graphics.Color)	4284380602 (0xFF5E75BA)
YUV	117.9890, 33.5294, -21.0384
Hunter-Lab	43.1826, 6.4669, -37.0656

Details

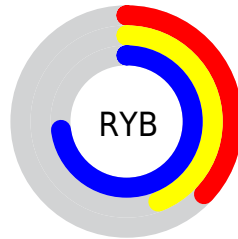
The Yxy color **18.6474, 0.2268, 0.2131** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.4786, 0.3983, 0.4218**, and the grayscale version is **18.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1763, 0.2456, 0.2373**, and **6.3155, 0.1957, 0.1752** is the 20% darker color. If you saturate the color by 10%, you get **14.7648, 0.2086, 0.1849**, and if you desaturate by 10%, it is **23.2538, 0.2455, 0.2405**.

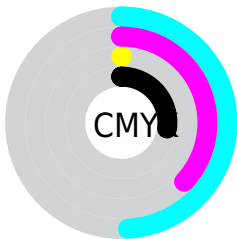
Distribution



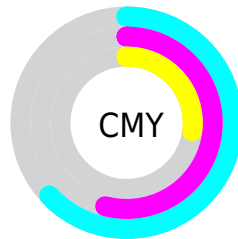
- Red (37%)
- Green (46%)
- Blue (73%)



- Red (37%)
- Yellow (44%)
- Blue (73%)



- Cyan (49%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (63%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6474, 0.2268, 0.2131 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 18.6474, 0.2268, 0.2131 by changing the saturation by 10% instead.

■ 18.6474, 0.2268,
0.2131

■ 18.6474, 0.2268,
0.2131

■ 244.4952, 0.2747,
0.2754

■ 11.4158, 0.2134,
0.1966

■ 41.1374, 0.2454,
0.2366

■ 6.3472, 0.1954,
0.1751

■ 57.1646, 0.2520,
0.2452

■ 3.0573, 0.1706,
0.1465

■ 76.8925, 0.2575,
0.2523

■ 1.1617, 0.1352,
0.1078

■ 100.7054, 0.2621,
0.2584

■ 0.0301, 0.0669,
0.0068

■ 128.9877, 0.2659,
0.2635

■ 0.0000, 0.0000,
0.0000

162.1238, 0.2693,

0.2680

200.4982, 0.2722,
0.2719

■ 18.6474, 0.2268,
0.2131

■ 18.6474, 0.2268,
0.2131

■ 14.7648, 0.2086,
0.1849

■ 23.2538, 0.2455,
0.2405

■ 11.5653, 0.1918,
0.1571

■ 28.6177, 0.2640,
0.2663

■ 9.0069, 0.1774,
0.1310

■ 34.7730, 0.2817,
0.2899

■ 7.0414, 0.1662,
0.1081

■ 41.7509, 0.2983,
0.3111

■ 5.5981, 0.1584,
0.0895

■ 49.5807, 0.3136,
0.3300

■ 5.5273, 0.1580,
0.0886

■ 58.2906, 0.3274,
0.3466

■ 67.9071, 0.3400,
0.3612

■ 78.4557, 0.3512,
0.3738

■ 88.7110, 0.3567,
0.3857

Harmonies

Analogous

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



18.6474, 0.1900, 0.2224



18.6474, 0.2268, 0.2131



18.6474, 0.2897, 0.2280

Triad

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



18.6474, 0.2268, 0.2131



18.6474, 0.4649, 0.3684



18.6474, 0.2502, 0.4103

Complementary

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



18.6474, 0.2268, 0.2131



37.4786, 0.3983, 0.4218

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.



18.6474, 0.3202, 0.4645



18.6474, 0.2268, 0.2131



18.6474, 0.4462, 0.4234

Square

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



18.6474, 0.2268, 0.2131



18.6474, 0.4361, 0.3125



18.6474, 0.3920, 0.4638



18.6474, 0.2009, 0.3284

Rectangle

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



18.6474, 0.2268, 0.2131



18.6474, 0.3416, 0.2495



18.6474, 0.3920, 0.4638



18.6474, 0.2721, 0.4337

Sweetspot

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



18.6481, 0.2268, 0.2131



68.1197, 0.2888, 0.2990



40.1500, 0.2622, 0.3655



14.4244, 0.2852, 0.2944



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.6481, 0.2268, 0.2131



26.4082, 0.2076, 0.1833



15.3499, 0.2409, 0.1829



9.0735, 0.2985, 0.3113



3.8207, 0.1585, 0.0907



0.2358, 0.1729, 0.1426

Inverse Universe

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



19.7426, 0.4137, 0.2973



29.6540, 0.4492, 0.2923



43.7198, 0.3628, 0.4572



9.0480, 0.3250, 0.3233



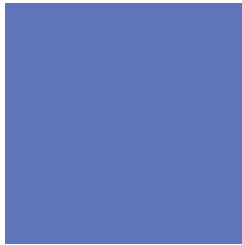
7.1680, 0.5901, 0.3025



0.2629, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 18.6474, 0.2268, 0.2131 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 18.6474, 0.2268, 0.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

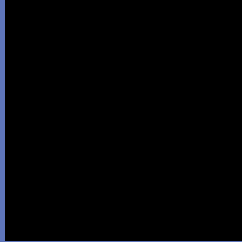
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6474, 0.2268, 0.2131

Background



This preview shows how black text looks on a background with the Yxy color 18.6474, 0.2268, 0.2131.

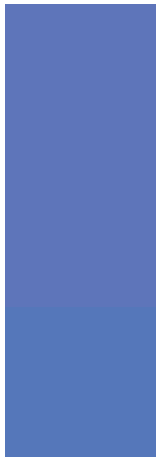


This preview shows how white text looks on a background with the Yxy color 18.6474, 0.2268, 0.2131.

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

18.6474, 0.2268, 0.2131

Protanopia

18.6474, 0.2268, 0.2131

Deuteranopia

18.6701, 0.2210, 0.2148



Tritanopia

18.6472, 0.2536, 0.3086

Trichromacy



Original Color

18.6474, 0.2268, 0.2131

Protanomaly

18.6474, 0.2268, 0.2131

Deuteranomaly

18.5767, 0.2227, 0.2136

Tritanomaly

18.4173, 0.2422, 0.2678

Monochromacy



Original Color

18.6474, 0.2268, 0.2131

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1912, 0.2751, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6474, 0.2268, 0.2131 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(94, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(94, 117, 186)  
}
```

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(94, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 117, 186) }
```

Border

The CSS property to change the border of an element to Yxy 18.6474, 0.2268, 0.2131 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(94, 117, 186) }
```

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

```
.border{ border-color:rgb(94, 117, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 117, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 117, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 117, 186);  
box-shadow:4px 4px 4px 4px rgb(94, 117,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6474, 0.2268, 0.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 117, 186) }
```

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

```
.background{ background-color: rgb(94, 117,  
186) }
```

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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