

Converting Colors

$Y_{xy}(11.3370, 0.2230, 0.1967)$

Have a look what the booklet for
Yxy(11.3370, 0.2230, 0.1967)
contains.

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Color

Yxy(11.3664, 0.2234, 0.1971)

Conversions

Conversions Part 1

Format	Color
Hex	4E5A9D
RGB	78, 90, 157
RGB Percent	31%, 35%, 62%
CMY	0.6942, 0.6470, 0.3843
CMYK	0.50, 0.43, 0.00, 0.38
HSL	231°, 34%, 46%
HSV	231°, 50%, 62%
XYZ	12.8831, 11.3664, 33.4187
YIQ	94.0500, -28.6590, 18.2930

Conversions

Conversions Part 2

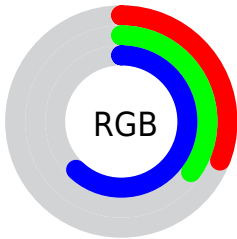
Format	Color
R_{YB}	78, 88, 157
Decimal	5135005
CIE _{Lab}	40.19, 14.64, -38.03
CIE _{LCh}	40, 40.748, 291.054
Yxy	11.3664, 0.2234, 0.1971
Android (android.graphics.Color)	4283325085 (0xFF4E5A9D)
YUV	94.0500, 31.0343, -14.0758
Hunter-Lab	33.7141, 9.2101, -35.1707

Details

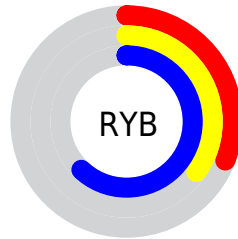
The Yxy color **11.3664, 0.2234, 0.1971** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.9649, 0.3931, 0.4327**, and the grayscale version is **11.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4152, 0.2455, 0.2267**, and **3.0454, 0.1836, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **8.7329, 0.2043, 0.1664**, and if you desaturate by 10%, it is **14.5612, 0.2430, 0.2275**.

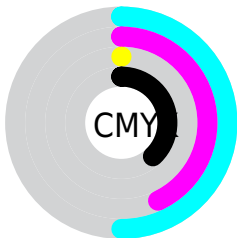
Distribution



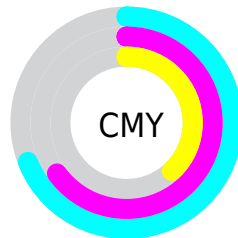
- Red (31%)
- Green (35%)
- Blue (62%)



- Red (31%)
- Yellow (35%)
- Blue (62%)



- Cyan (50%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)



- Cyan (69%)
- Magenta (65%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3664, 0.2234, 0.1971 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 11.3664, 0.2234, 0.1971 by changing the saturation by 10% instead.

■ 11.3664, 0.2234,
0.1971

■ 11.3664, 0.2234,
0.1971

■ 200.1643, 0.2769,
0.2719

■ 6.3138, 0.2067,
0.1758

■ 28.3357, 0.2452,
0.2264

■ 3.0368, 0.1834,
0.1474

■ 41.0213, 0.2527,
0.2367

■ 1.1510, 0.1493,
0.1090

■ 57.0200, 0.2587,
0.2453

■ 0.0211, 0.0877,
0.0049

■ 76.7163, 0.2636,
0.2524

■ 0.0000, 0.0000,
0.0000

■ 100.4944, 0.2677,
0.2584

128.7389, 0.2712,

0.2635

161.8340, 0.2742,
0.2680

■ 11.3664, 0.2234,
0.1971

■ 11.3664, 0.2234,
0.1971

■ 8.7329, 0.2043,
0.1664

■ 14.5612, 0.2430,
0.2275

■ 6.6266, 0.1869,
0.1370

■ 18.3464, 0.2621,
0.2564

■ 5.0114, 0.1721,
0.1107

■ 22.7502, 0.2803,
0.2830

■ 3.8460, 0.1612,
0.0893

■ 27.7991, 0.2970,
0.3070

■ 3.0838, 0.1539,
0.0740

■ 33.5175, 0.3122,
0.3283

■ 39.9290, 0.3259,
0.3470

■ 47.0557, 0.3380,
0.3633

■ 54.9188, 0.3487,
0.3775

■ 63.5389, 0.3582,
0.3898

Harmonies

Analogous

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



11.3664, 0.1768, 0.2014



11.3664, 0.2234, 0.1971



11.3664, 0.3004, 0.2186

Triad

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



11.3664, 0.2234, 0.1971



11.3664, 0.4911, 0.3822



11.3664, 0.2258, 0.4099

Complementary

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



11.3664, 0.2234, 0.1971



27.9649, 0.3931, 0.4327

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.



11.3664, 0.3033, 0.4860



11.3664, 0.2234, 0.1971



11.3664, 0.4576, 0.4455

Square

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



11.3664, 0.2234, 0.1971



11.3664, 0.4691, 0.3187



11.3664, 0.3879, 0.4920



11.3664, 0.1763, 0.3096

Rectangle

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



11.3664, 0.2234, 0.1971



11.3664, 0.3629, 0.2452



11.3664, 0.3879, 0.4920



11.3664, 0.2494, 0.4413

Sweetspot

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



11.3668, 0.2234, 0.1971



45.1531, 0.2889, 0.2955



27.7457, 0.2573, 0.3531



9.5527, 0.2856, 0.2907



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



11.3668, 0.2234, 0.1971



15.2940, 0.2028, 0.1639



10.8426, 0.2483, 0.1849



6.5902, 0.2988, 0.3095



2.5408, 0.1542, 0.0750



0.0859, 0.1688, 0.1276

Inverse Universe

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



13.3531, 0.4286, 0.3098



19.7363, 0.4699, 0.3071



29.4668, 0.3559, 0.4611



6.6618, 0.3261, 0.3256



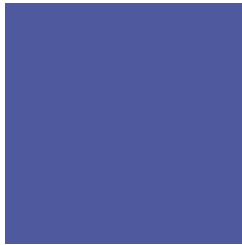
5.8787, 0.6151, 0.3162



0.1092, 0.5360, 0.2726

Previews

White Background



This preview shows how the Yxy color 11.3664, 0.2234, 0.1971 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 11.3664, 0.2234, 0.1971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

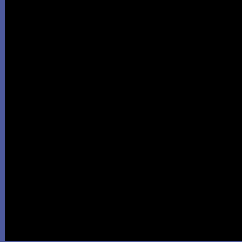
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3664, 0.2234, 0.1971

Background



This preview shows how black text looks on a background with the Yxy color 11.3664, 0.2234, 0.1971.



This preview shows how white text looks on a background with the Yxy color 11.3664, 0.2234, 0.1971.

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

11.3664, 0.2234, 0.1971

Protanopia

11.3157, 0.2127, 0.1952

Deuteranopia

11.3969, 0.2080, 0.2031



Tritanopia

11.4682, 0.2550, 0.3090

Trichromacy



Original Color

11.3664, 0.2234, 0.1971

Protanomaly

11.2529, 0.2161, 0.1955

Deuteranomaly

11.2858, 0.2127, 0.2006

Tritanomaly

11.2847, 0.2420, 0.2620

Monochromacy



Original Color

11.3664, 0.2234, 0.1971

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1878, 0.2737, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3664, 0.2234, 0.1971 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(78, 90, 157)` looks like.

```
.text, #text, p{  
    color:rgb(78, 90, 157)  
}
```

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(78, 90, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 90, 157) }
```

Border

The CSS property to change the border of an element to Yxy 11.3664, 0.2234, 0.1971 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(78, 90, 157) }
```

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

```
.border{ border-color:rgb(78, 90, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 90, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 90, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 90, 157);  
box-shadow:4px 4px 4px 4px rgb(78, 90,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3664, 0.2234, 0.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 90, 157) }
```

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

```
.background{ background-color: rgb(78, 90,  
157) }
```

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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