

Converting Colors

$Y_{xy}(12.6313, 0.2277, 0.1967)$

Have a look what the booklet for
Yxy(12.6313, 0.2277, 0.1967)
contains.

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Color

Yxy(12.5353, 0.2278, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	575DA4
RGB	87, 93, 164
RGB Percent	34%, 36%, 64%
CMY	0.6588, 0.6353, 0.3569
CMYK	0.47, 0.43, 0.00, 0.36
HSL	235°, 31%, 49%
HSV	235°, 47%, 64%
XYZ	14.5468, 12.5353, 36.7757
YIQ	99.3000, -26.3670, 20.8090

Conversions

Conversions Part 2

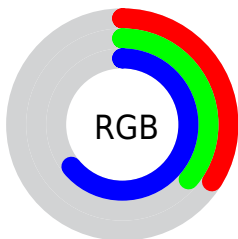
Format	Color
RYB	87, 93, 164
Decimal	5725604
CIELab	42.05, 17.22, -39.19
CIELCh	42, 42.804, 293.718
Yxy	12.5353, 0.2278, 0.1963
Android (android.graphics.Color)	4283915684 (0xFF575DA4)
YUV	99.3000, 31.8971, -10.7871
Hunter-Lab	35.4052, 11.3805, -36.8014

Details

The Yxy color **12.5353, 0.2278, 0.1963** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.0428, 0.3842, 0.4339**, and the grayscale version is **12.4809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4221, 0.2486, 0.2251**, and **3.5100, 0.1905, 0.1474** is the 20% darker color. If you saturate the color by 10%, you get **9.4360, 0.2076, 0.1634**, and if you desaturate by 10%, it is **16.3400, 0.2481, 0.2288**.

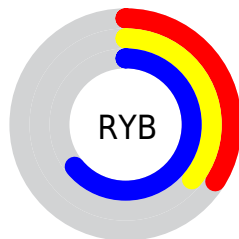
Distribution



Red (34%)

Green (36%)

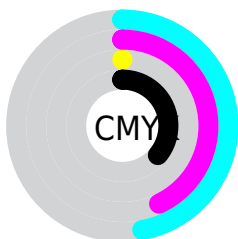
Blue (64%)



Red (34%)

Yellow (36%)

Blue (64%)

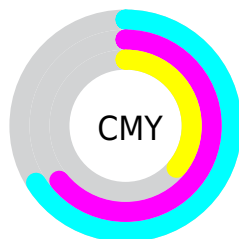


Cyan (47%)

Magenta (43%)

Yellow (0%)

Black (36%)



Cyan (66%)

Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5353, 0.2278, 0.1963 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 12.5353, 0.2278, 0.1963 by changing the saturation by 10% instead.

■ 12.5353, 0.2278,
0.1963

■ 12.5353, 0.2278,
0.1963

207.9176, 0.2782,
0.2702

■ 7.1093, 0.2123,
0.1758

■ 30.4664, 0.2482,
0.2248

■ 3.5306, 0.1908,
0.1488

■ 43.7403, 0.2552,
0.2351

■ 1.4146, 0.1597,
0.1127

■ 60.3989, 0.2609,
0.2435

■ 0.2275, 0.1137,
0.0406

■ 80.8268, 0.2656,
0.2506

■ 0.0000, 0.0000,
0.0000

105.4081, 0.2695,
0.2566

134.5275, 0.2728,

0.2618

168.5692, 0.2757,
0.2663

■ 12.5353, 0.2278,
0.1963

■ 12.5353, 0.2278,
0.1963

■ 9.4360, 0.2076,
0.1634

■ 16.3400, 0.2481,
0.2288

■ 6.9975, 0.1888,
0.1322

■ 20.8886, 0.2677,
0.2597

■ 5.1718, 0.1728,
0.1047

■ 26.2182, 0.2859,
0.2879

■ 3.9041, 0.1609,
0.0832

■ 32.3632, 0.3023,
0.3132

■ 3.1251, 0.1533,
0.0688

■ 39.3558, 0.3170,
0.3355

■ 2.9616, 0.1516,
0.0656

■ 47.2266, 0.3299,
0.3549

■ 56.0045, 0.3413,
0.3718

■ 65.7173, 0.3511,
0.3863

■ 76.3915, 0.3597,
0.3989

Harmonies

Analogous

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



12.5353, 0.1779, 0.1980



12.5353, 0.2278, 0.1963



12.5353, 0.3083, 0.2201

Triad

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



12.5353, 0.2278, 0.1963



12.5353, 0.4928, 0.3882



12.5353, 0.2186, 0.4022

Complementary

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



12.5353, 0.2278, 0.1963



33.0428, 0.3842, 0.4339

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.



12.5353, 0.2952, 0.4848



12.5353, 0.2278, 0.1963



12.5353, 0.4543, 0.4521

Square

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



12.5353, 0.2278, 0.1963



12.5353, 0.4761, 0.3238



12.5353, 0.3813, 0.4968



12.5353, 0.1716, 0.3009

Rectangle

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



12.5353, 0.2278, 0.1963



12.5353, 0.3722, 0.2482



12.5353, 0.3813, 0.4968



12.5353, 0.2416, 0.4353

Sweetspot

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



12.5357, 0.2278, 0.1963



50.4281, 0.2905, 0.2950



31.0333, 0.2557, 0.3399



10.5465, 0.2870, 0.2896



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.5357, 0.2278, 0.1963



17.0713, 0.2074, 0.1631



13.4284, 0.2610, 0.1976



6.9443, 0.2987, 0.3076



2.3012, 0.1518, 0.0664



0.0733, 0.1598, 0.0952

Inverse Universe

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



15.5023, 0.4271, 0.3199



23.3665, 0.4676, 0.3186



32.1398, 0.3472, 0.4554



7.0945, 0.3273, 0.3273



6.0764, 0.6293, 0.3240



0.1302, 0.5832, 0.2986

Previews

White Background



This preview shows how the Yxy color 12.5353, 0.2278, 0.1963 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 12.5353, 0.2278, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

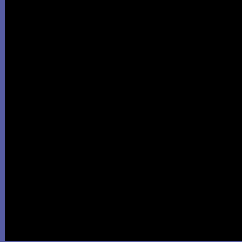
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.5353, 0.2278, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 12.5353, 0.2278, 0.1963.



This preview shows how white text looks on a background with the Yxy color 12.5353, 0.2278, 0.1963.

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

12.5353, 0.2278, 0.1963

Protanopia

12.6418, 0.2116, 0.1939

Deuteranopia

12.6885, 0.2090, 0.2044



Tritanopia

12.4706, 0.2615, 0.3076

Trichromacy



Original Color

12.5353, 0.2278, 0.1963

Protanomaly

12.6923, 0.2172, 0.1950

Deuteranomaly

12.4589, 0.2146, 0.2005

Tritanomaly

12.3581, 0.2468, 0.2589

Monochromacy



Original Color

12.5353, 0.2278, 0.1963

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4123, 0.2765, 0.2731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5353, 0.2278, 0.1963 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(87, 93, 164)` looks like.

```
.text, #text, p{  
    color:rgb(87, 93, 164)  
}
```

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(87, 93, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 93, 164) }
```

Border

The CSS property to change the border of an element to Yxy 12.5353, 0.2278, 0.1963 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(87, 93, 164) }
```

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

```
.border{ border-color:rgb(87, 93, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 93, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 93, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 93, 164);  
box-shadow:4px 4px 4px 4px rgb(87, 93,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5353, 0.2278, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 93, 164) }
```

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

```
.background{ background-color: rgb(87, 93,  
164) }
```

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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