

Converting Colors

$Y_{xy}(12.2195, 0.2465, 0.2433)$

Have a look what the booklet for
Yxy(12.2195, 0.2465, 0.2433)
contains.

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Color

Yxy(12.2234, 0.2466, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	53618A
RGB	83, 97, 138
RGB Percent	33%, 38%, 54%
CMY	0.6745, 0.6196, 0.4588
CMYK	0.40, 0.30, 0.00, 0.46
HSL	225°, 25%, 43%
HSV	225°, 40%, 54%
XYZ	12.4301, 12.2234, 25.7523
YIQ	97.4880, -21.5050, 9.7830

Conversions

Conversions Part 2

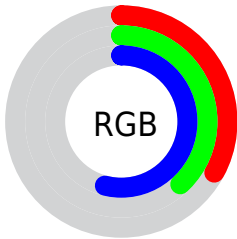
Format	Color
R_{YB}	83, 94, 138
Decimal	5464458
CIE Lab	41.57, 5.65, -24.43
CIE LCh	42, 25.073, 283.028
Yxy	12.2234, 0.2466, 0.2425
Android (android.graphics.Color)	4283654538 (0xFF53618A)
YUV	97.4880, 19.9724, -12.7060
Hunter-Lab	34.9620, 2.2788, -19.1985

Details

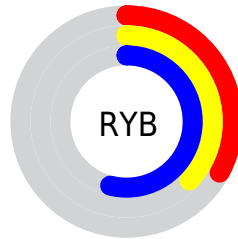
The Yxy color **12.2234, 0.2466, 0.2425** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.4473, 0.3789, 0.4024**, and the grayscale version is **12.0347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7415, 0.2622, 0.2619**, and **3.3956, 0.2143, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **9.8776, 0.2284, 0.2160**, and if you desaturate by 10%, it is **14.9418, 0.2646, 0.2674**.

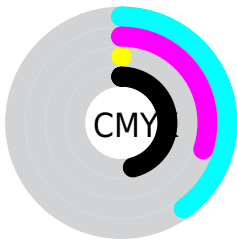
Distribution



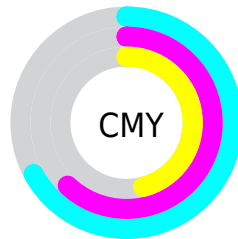
- Red (33%)
- Green (38%)
- Blue (54%)



- Red (33%)
- Yellow (37%)
- Blue (54%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (46%)



- Cyan (67%)
- Magenta (62%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2234, 0.2466, 0.2425 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 12.2234, 0.2466, 0.2425 by changing the saturation by 10% instead.

■ 12.2234, 0.2466,
0.2425

■ 12.2234, 0.2466,
0.2425

■ 205.8787, 0.2863,
0.2933

■ 6.8960, 0.2338,
0.2267

■ 29.9013, 0.2630,
0.2631

■ 3.3972, 0.2151,
0.2042

■ 43.0207, 0.2685,
0.2702

■ 1.3424, 0.1861,
0.1703

■ 59.5061, 0.2729,
0.2759

■ 0.1737, 0.1120,
0.0642

■ 79.7420, 0.2766,
0.2806

■ 0.0000, 0.0000,
0.0000

■ 104.1129, 0.2796,
0.2845

133.0030, 0.2822,

0.2879

166.7968, 0.2844,
0.2908

■ 12.2234, 0.2466,
0.2425

■ 12.2234, 0.2466,
0.2425

■ 9.8776, 0.2284,
0.2160

■ 14.9418, 0.2646,
0.2674

■ 7.8860, 0.2106,
0.1887

■ 18.0471, 0.2818,
0.2902

■ 6.2310, 0.1940,
0.1615

■ 21.5547, 0.2980,
0.3109

■ 4.8925, 0.1796,
0.1359

■ 25.4785, 0.3129,
0.3293

■ 3.8479, 0.1682,
0.1130

■ 29.8318, 0.3266,
0.3455

■ 3.0542, 0.1594,
0.0936

■ 34.6273, 0.3389,
0.3597

■ 3.0442, 0.1593,
0.0934

■ 39.8773, 0.3501,
0.3721

■ 45.5934, 0.3601,
0.3830

■ 51.7869, 0.3691,
0.3924

Harmonies

Analogous

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



12.2234, 0.2198, 0.2530



12.2234, 0.2466, 0.2425



12.2234, 0.2923, 0.2518

Triad

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



12.2234, 0.2466, 0.2425



12.2234, 0.4212, 0.3579



12.2234, 0.2731, 0.3897

Complementary

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



12.2234, 0.2466, 0.2425



20.4473, 0.3789, 0.4024

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.



12.2234, 0.3254, 0.4242



12.2234, 0.2466, 0.2425



12.2234, 0.4128, 0.3981

Square

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



12.2234, 0.2466, 0.2425



12.2234, 0.3970, 0.3152



12.2234, 0.3769, 0.4249



12.2234, 0.2336, 0.3353

Rectangle

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



12.2234, 0.2466, 0.2425



12.2234, 0.3293, 0.2675



12.2234, 0.3769, 0.4249



12.2234, 0.2897, 0.4045

Sweetspot

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



12.2239, 0.2466, 0.2425



36.4385, 0.2942, 0.3061



21.4575, 0.2716, 0.3585



8.0208, 0.2925, 0.3040



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.2239, 0.2466, 0.2425



17.7275, 0.2299, 0.2183



10.5005, 0.2580, 0.2169



5.0858, 0.2991, 0.3122



2.8117, 0.1595, 0.0940



0.0393, 0.1802, 0.1687

Inverse Universe

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



12.4543, 0.3831, 0.3032



18.5505, 0.4082, 0.2976



23.1774, 0.3546, 0.4295



5.0681, 0.3243, 0.3235



5.0680, 0.5850, 0.2996



0.0358, 0.4822, 0.2430

Previews

White Background



This preview shows how the Yxy color 12.2234, 0.2466, 0.2425 looks on a white background.

Color Contrast Check

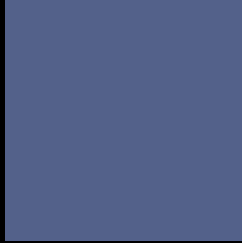
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2234, 0.2466, 0.2425 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

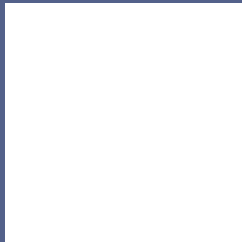
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2234, 0.2466, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 12.2234, 0.2466, 0.2425.



This preview shows how white text looks on a background with the Yxy color 12.2234, 0.2466, 0.2425.

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

12.2234, 0.2466, 0.2425

Protanopia

12.1320, 0.2485, 0.2408

Deuteranopia

12.2692, 0.2477, 0.2428



Tritanopia

12.1650, 0.2687, 0.3099

Trichromacy



Original Color

12.2234, 0.2466, 0.2425

Protanomaly

12.0855, 0.2474, 0.2406

Deuteranomaly

12.2692, 0.2477, 0.2428

Tritanomaly

12.1327, 0.2609, 0.2833

Monochromacy



Original Color

12.2234, 0.2466, 0.2425

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9946, 0.2858, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2234, 0.2466, 0.2425 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(83, 97, 138)` looks like.

```
.text, #text, p{  
    color:rgb(83, 97, 138)  
}
```

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(83, 97, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 97, 138) }
```

Border

The CSS property to change the border of an element to Yxy 12.2234, 0.2466, 0.2425 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(83, 97, 138) }
```

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

```
.border{ border-color:rgb(83, 97, 138) }
```

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

Here you see how a box with a 4 pixel rgb(83, 97, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 97, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 97, 138);  
box-shadow:4px 4px 4px 4px rgb(83, 97,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2234, 0.2466, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 97, 138) }
```

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

```
.background{ background-color: rgb(83, 97,  
138) }
```

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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