

Converting Colors

$Yxy(12.2085, 0.2187, 0.2635)$

Have a look what the booklet for
Yxy(12.2085, 0.2187, 0.2635)
contains.

Yxy(12.2477, 0.2188, 0.2638)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.2477, 0.2188, 0.2638)$

Conversions

Conversions Part 1

Format	Color
Hex	286985
RGB	40, 105, 133
RGB Percent	16%, 41%, 52%
CMY	0.8434, 0.5882, 0.4784
CMYK	0.70, 0.21, 0.00, 0.48
HSL	198°, 54%, 34%
HSV	198°, 70%, 52%
XYZ	10.1584, 12.2477, 24.0218
YIQ	88.7570, -47.7280, -5.0720

Conversions

Conversions Part 2

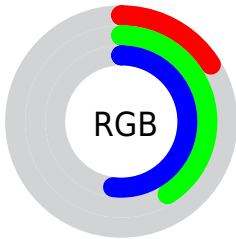
Format	Color
R_{YB}	40, 78, 133
Decimal	2648453
CIE _{Lab}	41.61, -11.02, -21.53
CIE _{LCh}	42, 24.185, 242.883
Yxy	12.2477, 0.2188, 0.2638
Android (android.graphics.Color)	4280838533 (0xFF286985)
YUV	88.7570, 21.8118, -42.7599
Hunter-Lab	34.9967, -9.4313, -16.1991

Details

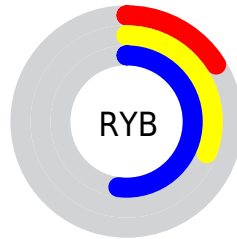
The Yxy color **12.2477, 0.2188, 0.2638** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.2654, 0.4939, 0.3776**, and the grayscale version is **9.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8635, 0.2413, 0.2806**, and **3.6506, 0.1990, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **11.2303, 0.2100, 0.2528**, and if you desaturate by 10%, it is **13.3960, 0.2293, 0.2747**.

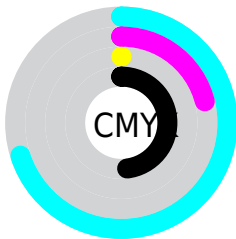
Distribution



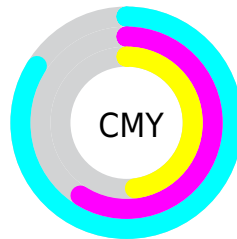
- Red (16%)
- Green (41%)
- Blue (52%)



- Red (16%)
- Yellow (31%)
- Blue (52%)



- Cyan (70%)
- Magenta (21%)
- Yellow (0%)
- Black (48%)



- Cyan (84%)
- Magenta (59%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2477, 0.2188, 0.2638 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 12.2477, 0.2188, 0.2638 by changing the saturation by 10% instead.

■ 12.2477, 0.2188,
0.2638

■ 12.2477, 0.2188,
0.2638

■ 206.0383, 0.2740,
0.3039

■ 6.9126, 0.2016,
0.2503

■ 29.9454, 0.2412,
0.2807

■ 3.4075, 0.1772,
0.2303

■ 43.0769, 0.2489,
0.2862

■ 1.3480, 0.1407,
0.1982

■ 59.5759, 0.2551,
0.2907

■ 0.1779, 0.0000,
0.0856

■ 79.8269, 0.2603,
0.2943

■ 0.0000, 0.0000,
0.0000

■ 104.2142, 0.2645,
0.2973

■ 133.1223, 0.2682,

0.2998

166.9355, 0.2713,
0.3020

■ 12.2477, 0.2188,
0.2638

■ 12.2477, 0.2188,
0.2638

■ 11.2303, 0.2100,
0.2528

■ 13.3960, 0.2293,
0.2747

■ 10.3322, 0.2031,
0.2417

■ 14.6829, 0.2413,
0.2852

■ 9.5234, 0.1974,
0.2307

■ 16.1170, 0.2545,
0.2953

■ 9.5220, 0.1974,
0.2307

■ 17.7054, 0.2685,
0.3048

■ 19.4550, 0.2831,
0.3136

■ 21.3720, 0.2979,
0.3217

■ 23.4623, 0.3127,
0.3290

■ 25.7315, 0.3273,
0.3356

■ 28.1848, 0.3416,
0.3416

Harmonies

Analogous

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



12.2477, 0.2219, 0.3016



12.2477, 0.2188, 0.2638



12.2477, 0.2378, 0.2465

Triad

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



12.2477, 0.2188, 0.2638



12.2477, 0.3799, 0.3026



12.2477, 0.3428, 0.4245

Complementary

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



12.2477, 0.2188, 0.2638



9.2654, 0.4939, 0.3776

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.



12.2477, 0.3889, 0.4152



12.2477, 0.2188, 0.2638



12.2477, 0.4128, 0.3431

Square

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



12.2477, 0.2188, 0.2638



12.2477, 0.3285, 0.2693



12.2477, 0.4155, 0.3837



12.2477, 0.2909, 0.4017

Rectangle

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



12.2477, 0.2188, 0.2638



12.2477, 0.2617, 0.2462



12.2477, 0.4155, 0.3837



12.2477, 0.3595, 0.4247

Sweetspot

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



12.2481, 0.2188, 0.2638



34.3479, 0.2809, 0.3123



17.6426, 0.2841, 0.4867



7.5716, 0.2775, 0.3103



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.2481, 0.2188, 0.2638



19.1308, 0.2057, 0.2462



5.2245, 0.1914, 0.1505



5.0487, 0.2992, 0.3223



9.0831, 0.1975, 0.2309



0.0443, 0.2114, 0.2810

Inverse Universe

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



7.5200, 0.3748, 0.2171



11.3489, 0.3944, 0.2060



17.2633, 0.4257, 0.4559



4.7396, 0.3179, 0.3139



5.5039, 0.4117, 0.2041



0.0204, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 12.2477, 0.2188, 0.2638 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 12.2477, 0.2188, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

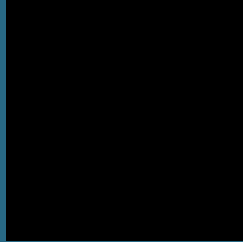
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2477, 0.2188, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 12.2477, 0.2188, 0.2638.



This preview shows how white text looks on a background with the Yxy color 12.2477, 0.2188, 0.2638.

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

12.2477, 0.2188, 0.2638

Protanopia

12.2554, 0.2657, 0.2643

Deuteranopia

12.2771, 0.2528, 0.2485



Tritanopia

12.2707, 0.2266, 0.3062

Trichromacy



Original Color

12.2477, 0.2188, 0.2638

Protanomaly

12.0770, 0.2445, 0.2638

Deuteranomaly

12.1008, 0.2372, 0.2536

Tritanomaly

12.2688, 0.2234, 0.2898

Monochromacy



Original Color

12.2477, 0.2188, 0.2638

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5439, 0.2663, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2477, 0.2188, 0.2638 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(40, 105, 133)` looks like.

```
.text, #text, p{  
  color:rgb(40, 105, 133)  
}
```

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(40, 105, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 105, 133) }
```

Border

The CSS property to change the border of an element to Yxy 12.2477, 0.2188, 0.2638 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(40, 105, 133) }
```

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

```
.border{ border-color:rgb(40, 105, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 105, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 105, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 105, 133);  
box-shadow:4px 4px 4px 4px rgb(40, 105,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2477, 0.2188, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 105, 133) }
```

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

```
.background{ background-color: rgb(40, 105,  
133) }
```

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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