

Converting Colors

$Y_{xy}(12.2126, 0.2698, 0.3811)$

Have a look what the booklet for
Yxy(12.2126, 0.2698, 0.3811)
contains.

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Color

$Y_{xy}(12.2140, 0.2702, 0.3818)$

Conversions

Conversions Part 1

Format	Color
Hex	366C58
RGB	54, 108, 88
RGB Percent	21%, 42%, 35%
CMY	0.7884, 0.5764, 0.6549
CMYK	0.50, 0.00, 0.19, 0.58
HSL	158°, 33%, 32%
HSV	158°, 50%, 42%
XYZ	8.6439, 12.2140, 11.1327
YIQ	89.5740, -25.7640, -17.6680

Conversions

Conversions Part 2

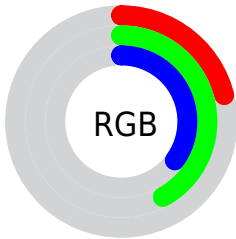
Format	Color
RYB	54, 87, 108
Decimal	3566680
CIELab	41.55, -23.23, 5.71
CIELCh	42, 23.920, 166.189
Yxy	12.2140, 0.2702, 0.3818
Android (android.graphics.Color)	4281756760 (0xFF366C58)
YUV	89.5740, -0.7760, -31.1984
Hunter-Lab	34.9485, -17.0114, 5.5774




Details

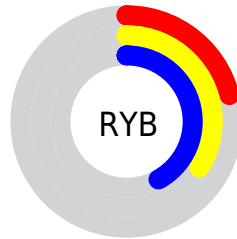
The Yxy color **12.2140, 0.2702, 0.3818** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.3184, 0.3920, 0.2834**, and the grayscale version is **10.1288, 0.3127, 0.3290**.




A 20% lighter version of the original color is **29.9798, 0.2817, 0.3675**, and **3.4061, 0.2474, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **11.8838, 0.2646, 0.3947**, and if you desaturate by 10%, it is **12.6152, 0.2771, 0.3696**.

Distribution







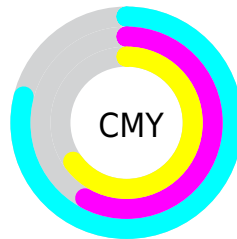
-  Red (21%)
-  Green (42%)
-  Blue (35%)






-  Red (21%)
-  Yellow (34%)
-  Blue (42%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (19%)
-  Black (58%)



-  Cyan (79%)
-  Magenta (58%)
-  Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2140, 0.2702, 0.3818 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 12.2140, 0.2702, 0.3818 by changing the saturation by 10% instead.

12.2140, 0.2702,
0.3818

12.2140, 0.2702,
0.3818

205.8169, 0.2965,
0.3488

6.8896, 0.2609,
0.3938

29.8843, 0.2814,
0.3675

3.3931, 0.2465,
0.4128

42.9989, 0.2851,
0.3629

1.3403, 0.2175,
0.4493

59.4791, 0.2880,
0.3593

0.1721, 0.0000,
1.0000

79.7092, 0.2903,
0.3564

0.0000, 0.0000,
0.0000

104.0737, 0.2923,
0.3540

132.9568, 0.2939,

0.3520

166.7431, 0.2953,
0.3502

■ 12.2140, 0.2702,
0.3818

■ 12.2140, 0.2702,
0.3818

■ 11.8838, 0.2646,
0.3947

■ 12.6152, 0.2771,
0.3696

■ 11.6187, 0.2605,
0.4080

■ 13.0900, 0.2851,
0.3581

■ 11.4140, 0.2581,
0.4216

■ 13.6427, 0.2938,
0.3475

■ 11.2639, 0.2576,
0.4352

■ 14.2769, 0.3031,
0.3378

■ 11.1440, 0.2580,
0.4487

■ 14.9957, 0.3127,
0.3290

■ 15.8023, 0.3224,
0.3211

■ 16.6997, 0.3321,
0.3141

■ 17.6907, 0.3416,
0.3078

■ 18.7780, 0.3509,
0.3023

Harmonies

Analogous

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



12.2140, 0.3196, 0.4175



12.2140, 0.2702, 0.3818



12.2140, 0.2341, 0.3296

Triad

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



12.2140, 0.2702, 0.3818



12.2140, 0.2533, 0.2461



12.2140, 0.4169, 0.3613

Complementary

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



12.2140, 0.2702, 0.3818



6.3184, 0.3920, 0.2834

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.



12.2140, 0.3969, 0.3202



12.2140, 0.2702, 0.3818



12.2140, 0.2987, 0.2569

Square

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



12.2140, 0.2702, 0.3818



12.2140, 0.2254, 0.2543



12.2140, 0.3521, 0.2832



12.2140, 0.4059, 0.3989

Rectangle

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



12.2140, 0.2702, 0.3818



12.2140, 0.2213, 0.2969



12.2140, 0.3521, 0.2832



12.2140, 0.4137, 0.3476

Sweetspot

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



12.2145, 0.2702, 0.3818



24.4448, 0.2981, 0.3429



12.4758, 0.3322, 0.4654



5.8745, 0.2966, 0.3445



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.2145, 0.2702, 0.3818



20.7789, 0.2638, 0.3968



11.3107, 0.2475, 0.3128



3.4738, 0.3041, 0.3368



13.2851, 0.2583, 0.4499



67.5213, 0.2604, 0.4575

Inverse Universe

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



6.3184, 0.3920, 0.2834



9.1277, 0.4215, 0.2747



6.7152, 0.4342, 0.3438



3.1336, 0.3222, 0.3213



3.9804, 0.5399, 0.2748



20.1262, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 12.2140, 0.2702, 0.3818 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 12.2140, 0.2702, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

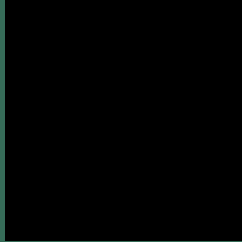
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2140, 0.2702, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 12.2140, 0.2702, 0.3818.



This preview shows how white text looks on a background with the Yxy color 12.2140, 0.2702, 0.3818.

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

12.2140, 0.2702, 0.3818

Protanopia

12.0575, 0.3422, 0.3611

Deuteranopia

12.0119, 0.3409, 0.3357



Tritanopia

12.2875, 0.2507, 0.3094

Trichromacy



Original Color

12.2140, 0.2702, 0.3818

Protanomaly

11.8945, 0.3109, 0.3683

Deuteranomaly

11.7857, 0.3102, 0.3507

Tritanomaly

12.2071, 0.2570, 0.3339

Monochromacy



Original Color

12.2140, 0.2702, 0.3818

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.8484, 0.2943, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2140, 0.2702, 0.3818 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(54, 108, 88)` looks like.

```
.text, #text, p{  
    color:rgb(54, 108, 88)  
}
```

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(54, 108, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 108, 88) }
```

Border

The CSS property to change the border of an element to Yxy 12.2140, 0.2702, 0.3818 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(54, 108, 88) }
```

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

```
.border{ border-color:rgb(54, 108, 88) }
```

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

Here you see how a box with a 4 pixel rgb(54, 108, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 108, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 108, 88);  
box-shadow:4px 4px 4px 4px rgb(54, 108,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2140, 0.2702, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 108, 88) }
```

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

```
.background{ background-color: rgb(54, 108,  
88) }
```

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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