

Converting Colors

$Y_{xy}(12.3739, 0.2193, 0.2413)$

Have a look what the booklet for
Yxy(12.3739, 0.2193, 0.2413)
contains.

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Color

Yxy(12.4679, 0.2196, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	36678F
RGB	54, 103, 143
RGB Percent	21%, 40%, 56%
CMY	0.7883, 0.5961, 0.4393
CMYK	0.62, 0.28, 0.00, 0.44
HSL	207°, 45%, 39%
HSV	207°, 62%, 56%
XYZ	11.3279, 12.4679, 27.7884
YIQ	92.9090, -42.0440, 2.0520

Conversions

Conversions Part 2

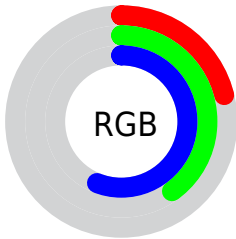
Format	Color
R_{YB}	54, 86, 143
Decimal	3565455
CIE _{Lab}	41.95, -3.73, -26.95
CIE _{LCh}	42, 27.204, 262.127
Yxy	12.4679, 0.2196, 0.2417
Android (android.graphics.Color)	4281755535 (0xFF36678F)
YUV	92.9090, 24.6949, -34.1232
Hunter-Lab	35.3099, -4.5272, -21.9435

Details

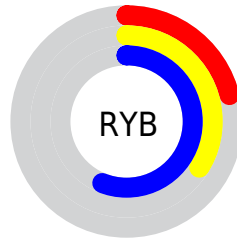
The Yxy color **12.4679, 0.2196, 0.2417** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.1043, 0.4509, 0.3977**, and the grayscale version is **10.8726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3936, 0.2418, 0.2630**, and **3.6011, 0.1902, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **10.9001, 0.2073, 0.2247**, and if you desaturate by 10%, it is **14.2511, 0.2333, 0.2583**.

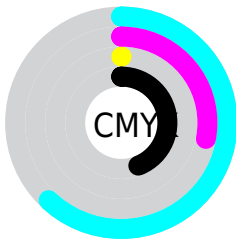
Distribution



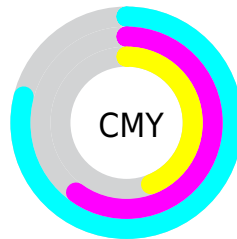
- Red (21%)
- Green (40%)
- Blue (56%)



- Red (21%)
- Yellow (34%)
- Blue (56%)



- Cyan (62%)
- Magenta (28%)
- Yellow (0%)
- Black (44%)



- Cyan (79%)
- Magenta (60%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4679, 0.2196, 0.2417 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 12.4679, 0.2196, 0.2417 by changing the saturation by 10% instead.

■ 12.4679, 0.2196,
0.2417

■ 12.4679, 0.2196,
0.2417

■ 207.4788, 0.2742,
0.2936

■ 7.0632, 0.2028,
0.2253

■ 30.3445, 0.2417,
0.2629

■ 3.5016, 0.1791,
0.2020

■ 43.5851, 0.2493,
0.2702

■ 1.3989, 0.1444,
0.1669

■ 60.2065, 0.2554,
0.2760

■ 0.2159, 0.0384,
0.0727

■ 80.5931, 0.2605,
0.2808

■ 0.0000, 0.0000,
0.0000

■ 105.1292, 0.2648,
0.2848

■ 134.1992, 0.2684,

0.2882

168.1876, 0.2715,
0.2911

■ 12.4679, 0.2196,
0.2417

■ 12.4679, 0.2196,
0.2417

■ 10.9001, 0.2073,
0.2247

■ 14.2511, 0.2333,
0.2583

■ 9.5336, 0.1968,
0.2076

■ 16.2597, 0.2481,
0.2741

■ 8.3542, 0.1884,
0.1909

■ 18.5046, 0.2634,
0.2890

■ 7.5385, 0.1828,
0.1782

■ 20.9954, 0.2789,
0.3027

■ 23.7410, 0.2944,
0.3153

■ 26.7500, 0.3094,
0.3266

■ 30.0303, 0.3239,
0.3368

■ 33.5895, 0.3378,
0.3458

■ 37.4351, 0.3508,
0.3538

Harmonies

Analogous

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



12.4679, 0.2073, 0.2685



12.4679, 0.2196, 0.2417



12.4679, 0.2547, 0.2375

Triad

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



12.4679, 0.2196, 0.2417



12.4679, 0.4151, 0.3273



12.4679, 0.3082, 0.4247

Complementary

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



12.4679, 0.2196, 0.2417



14.1043, 0.4509, 0.3977

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.



12.4679, 0.3655, 0.4360



12.4679, 0.2196, 0.2417



12.4679, 0.4305, 0.3730

Square

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



12.4679, 0.2196, 0.2417



12.4679, 0.3685, 0.2851



12.4679, 0.4110, 0.4136



12.4679, 0.2550, 0.3779

Rectangle

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



12.4679, 0.2196, 0.2417



12.4679, 0.2889, 0.2460



12.4679, 0.4110, 0.4136



12.4679, 0.3276, 0.4328

Sweetspot

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



12.4683, 0.2196, 0.2417



38.9575, 0.2833, 0.3064



21.2059, 0.2762, 0.4404



8.6517, 0.2793, 0.3031



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.4683, 0.2196, 0.2417



18.4183, 0.2025, 0.2173



5.9908, 0.1983, 0.1469



5.7164, 0.2990, 0.3189



6.7096, 0.1831, 0.1790



0.1082, 0.2030, 0.2506

Inverse Universe

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



9.4552, 0.3929, 0.2462



13.8951, 0.4216, 0.2354



24.0094, 0.4030, 0.4620



5.4707, 0.3201, 0.3169



5.6637, 0.4697, 0.2361



0.0586, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 12.4679, 0.2196, 0.2417 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 12.4679, 0.2196, 0.2417 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

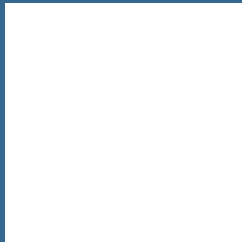
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.4679, 0.2196, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 12.4679, 0.2196, 0.2417.



This preview shows how white text looks on a background with the Yxy color 12.4679, 0.2196, 0.2417.

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

12.4679, 0.2196, 0.2417

Protanopia

12.3628, 0.2499, 0.2432

Deuteranopia

12.4545, 0.2385, 0.2337



Tritanopia

12.4809, 0.2331, 0.3066

Trichromacy



Original Color

12.4679, 0.2196, 0.2417

Protanomaly

12.2730, 0.2364, 0.2414

Deuteranomaly

12.4676, 0.2308, 0.2361

Tritanomaly

12.3953, 0.2281, 0.2814

Monochromacy



Original Color

12.4679, 0.2196, 0.2417

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3594, 0.2699, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4679, 0.2196, 0.2417 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, 103, 143)` looks like.

```
.text, #text, p{  
    color:rgb(54, 103, 143)  
}
```

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, 103, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 103, 143) }
```

Border

The CSS property to change the border of an element to Yxy 12.4679, 0.2196, 0.2417 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, 103, 143) }
```

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

```
.border{ border-color:rgb(54, 103, 143) }
```

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

Here you see how a box with a 4 pixel rgb(54, 103, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 103, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 103, 143);  
box-shadow:4px 4px 4px 4px rgb(54, 103,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4679, 0.2196, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 103, 143) }
```

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

```
.background{ background-color: rgb(54, 103,  
143) }
```

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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