

Converting Colors

$Y_{xy}(13.1578, 0.2433, 0.3038)$

Have a look what the booklet for
Yxy(13.1578, 0.2433, 0.3038)
contains.

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Color

Yxy(13.1632, 0.2426, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	396D78
RGB	57, 109, 120
RGB Percent	22%, 43%, 47%
CMY	0.7767, 0.5725, 0.5294
CMYK	0.53, 0.09, 0.00, 0.53
HSL	190°, 36%, 35%
HSV	190°, 53%, 47%
XYZ	10.5427, 13.1632, 19.7513
YIQ	94.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

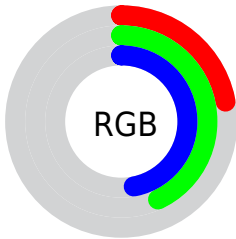
Format	Color
RYB	57, 85, 120
Decimal	3763576
CIELab	43.01, -14.11, -11.48
CIElCh	43, 18.187, 219.132
Yxy	13.1632, 0.2426, 0.3029
Android (android.graphics.Color)	4281953656 (0xFF396D78)
YUV	94.7060, 12.4699, -33.0682
Hunter-Lab	36.2811, -11.6227, -6.8805




Details

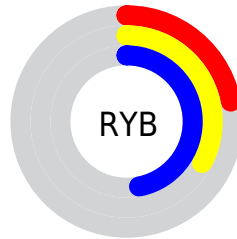
The Yxy color **13.1632, 0.2426, 0.3029** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.4107, 0.4414, 0.3522**, and the grayscale version is **11.3421, 0.3127, 0.3290**.




A 20% lighter version of the original color is **31.7195, 0.2599, 0.3111**, and **3.8054, 0.2125, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **12.4117, 0.2326, 0.2971**, and if you desaturate by 10%, it is **14.0097, 0.2540, 0.3085**.

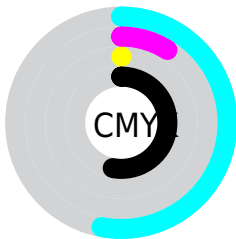
Distribution







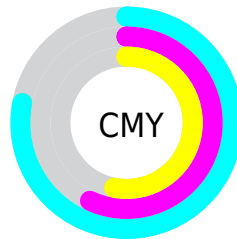
-  Red (22%)
-  Green (43%)
-  Blue (47%)






-  Red (22%)
-  Yellow (33%)
-  Blue (47%)



-  Cyan (53%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (53%)





-  Cyan (78%)
-  Magenta (57%)
-  Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1632, 0.2426, 0.3029 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 13.1632, 0.2426, 0.3029 by changing the saturation by 10% instead.


 13.1632, 0.2426,
0.3029

 13.1632, 0.2426,
0.3029


 211.9610, 0.2840,
0.3194


 7.5410, 0.2294,
0.2969


 31.5967, 0.2596,
0.3101

 3.8027, 0.2101,
0.2876

 45.1768, 0.2653,
0.3124


 1.5638, 0.1800,
0.2712

 62.1783, 0.2700,
0.3142

 0.3330, 0.0000,
0.2202

 82.9856, 0.2738,
0.3156

 0.0000, 0.0000,
0.0000

 107.9831, 0.2770,
0.3168

 137.5553, 0.2797,

0.3178

172.0864, 0.2820,
0.3187

■ 13.1632, 0.2426,
0.3029

■ 13.1632, 0.2426,
0.3029

■ 12.4117, 0.2326,
0.2971

■ 14.0097, 0.2540,
0.3085

■ 11.7476, 0.2243,
0.2911

■ 14.9550, 0.2666,
0.3139

■ 11.1645, 0.2176,
0.2851

■ 16.0048, 0.2802,
0.3190

■ 10.6543, 0.2128,
0.2791

■ 17.1636, 0.2944,
0.3236

■ 10.2986, 0.2096,
0.2746

■ 18.4357, 0.3090,
0.3280

■ 19.8254, 0.3237,
0.3319

■ 21.3364, 0.3384,
0.3354

■ 22.9725, 0.3528,
0.3386

■ 24.7371, 0.3669,
0.3414

Harmonies

Analogous

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



13.1632, 0.2589, 0.3393



13.1632, 0.2426, 0.3029



13.1632, 0.2437, 0.2770

Triad

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



13.1632, 0.2426, 0.3029



13.1632, 0.3331, 0.2887



13.1632, 0.3635, 0.3958

Complementary

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



13.1632, 0.2426, 0.3029



8.4107, 0.4414, 0.3522

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.



13.1632, 0.3862, 0.3768



13.1632, 0.2426, 0.3029



13.1632, 0.3685, 0.3159

Square

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



13.1632, 0.2426, 0.3029



13.1632, 0.2938, 0.2708



13.1632, 0.3883, 0.3475



13.1632, 0.3279, 0.3963

Rectangle

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



13.1632, 0.2426, 0.3029



13.1632, 0.2539, 0.2680



13.1632, 0.3883, 0.3475



13.1632, 0.3730, 0.3911

Sweetspot

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



13.1637, 0.2426, 0.3029



29.3865, 0.2889, 0.3219



14.7093, 0.2959, 0.4617



6.8853, 0.2866, 0.3211



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.1637, 0.2426, 0.3029



21.5888, 0.2308, 0.2959



7.6658, 0.2273, 0.2235



4.3994, 0.2994, 0.3252



11.2189, 0.2096, 0.2744



52.4117, 0.2087, 0.2713

Inverse Universe

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



8.0165, 0.3383, 0.2266



11.8536, 0.3458, 0.2077



13.2055, 0.4060, 0.4143



4.0661, 0.3161, 0.3115



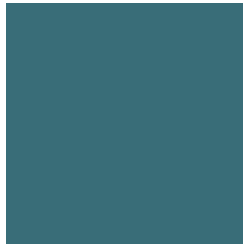
5.3394, 0.3687, 0.1805



25.3582, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 13.1632, 0.2426, 0.3029 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 13.1632, 0.2426, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

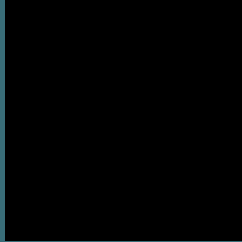
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1632, 0.2426, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 13.1632, 0.2426, 0.3029.

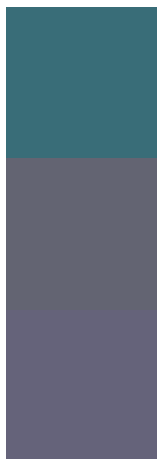


This preview shows how white text looks on a background with the Yxy color 13.1632, 0.2426, 0.3029.

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

13.1632, 0.2426, 0.3029

Protanopia

12.9819, 0.2930, 0.2986

Deuteranopia

13.0955, 0.2858, 0.2806



Tritanopia

13.0860, 0.2436, 0.3074

Trichromacy



Original Color

13.1632, 0.2426, 0.3029

Protanomaly

12.8463, 0.2718, 0.2995

Deuteranomaly

13.0123, 0.2676, 0.2890

Tritanomaly

13.1099, 0.2427, 0.3051

Monochromacy



Original Color

13.1632, 0.2426, 0.3029

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8631, 0.2813, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1632, 0.2426, 0.3029 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(57, 109, 120)` looks like.

```
.text, #text, p{  
    color:rgb(57, 109, 120)  
}
```

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(57, 109, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 109, 120) }
```

Border

The CSS property to change the border of an element to Yxy 13.1632, 0.2426, 0.3029 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(57, 109, 120) }
```

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

```
.border{ border-color:rgb(57, 109, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 109, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 109, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 109, 120);  
box-shadow:4px 4px 4px 4px rgb(57, 109,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1632, 0.2426, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 109, 120) }
```

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

```
.background{ background-color: rgb(57, 109,  
120) }
```

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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