

Converting Colors

$Yxy(15.2023, 0.2383, 0.3361)$

Have a look what the booklet for
Yxy(15.2023, 0.2383, 0.3361)
contains.

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Color

Yxy(15.1294, 0.2382, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	267875
RGB	38, 120, 117
RGB Percent	15%, 47%, 46%
CMY	0.8506, 0.5294, 0.5412
CMYK	0.68, 0.00, 0.02, 0.53
HSL	178°, 52%, 31%
HSV	178°, 68%, 47%
XYZ	10.7289, 15.1294, 19.1831
YIQ	95.1400, -47.9090, -18.3170

Conversions

Conversions Part 2

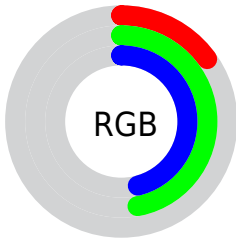
Format	Color
RYB	38, 80, 120
Decimal	2521205
CIELab	45.81, -24.78, -5.55
CIELCh	46, 25.397, 192.622
Yxy	15.1294, 0.2382, 0.3359
Android (android.graphics.Color)	4280711285 (0xFF267875)
YUV	95.1400, 10.7770, -50.1118
Hunter-Lab	38.8965, -18.8331, -2.0133

Details

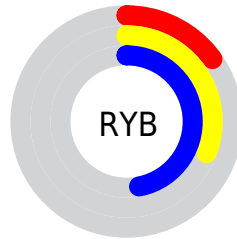
The Yxy color **15.1294, 0.2382, 0.3359** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.5455, 0.5172, 0.3243**, and the grayscale version is **11.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1846, 0.2557, 0.3353**, and **4.9361, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **14.9267, 0.2332, 0.3371**, and if you desaturate by 10%, it is **15.4069, 0.2449, 0.3348**.

Distribution



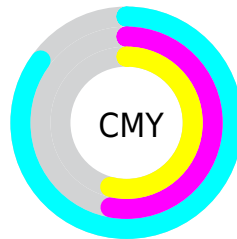
- Red (15%)
- Green (47%)
- Blue (46%)



- Red (15%)
- Yellow (31%)
- Blue (47%)



- Cyan (68%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)




- Cyan (85%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1294, 0.2382, 0.3359 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 15.1294, 0.2382, 0.3359 by changing the saturation by 10% instead.


 15.1294, 0.2382,
0.3359


 15.1294, 0.2382,
0.3359


224.1481, 0.2816,
0.3327

 8.9103, 0.2247,
0.3364


 35.0800, 0.2558,
0.3349


 4.6827, 0.2053,
0.3367

 49.5803, 0.2618,
0.3344


 2.0623, 0.1756,
0.3360


 67.6097, 0.2667,
0.3340

 0.6433, 0.0037,
0.3690

 89.5527, 0.2707,
0.3337

 0.0000, 0.0000,
0.0000

 115.7936, 0.2741,
0.3334

 146.7169, 0.2770,

0.3331

182.7070, 0.2794,
0.3329

■ 15.1294, 0.2382,
0.3359

■ 15.1294, 0.2382,
0.3359

■ 14.9267, 0.2332,
0.3371

■ 15.4069, 0.2449,
0.3348

■ 14.7897, 0.2300,
0.3382

■ 15.7640, 0.2534,
0.3336

■ 14.6989, 0.2280,
0.3393

■ 16.2068, 0.2634,
0.3326

■ 14.6836, 0.2277,
0.3395

■ 16.7406, 0.2748,
0.3315

■ 17.3701, 0.2874,
0.3306

■ 18.0997, 0.3010,
0.3297

■ 18.9337, 0.3152,
0.3289

■ 19.8759, 0.3299,
0.3281

■ 20.9301, 0.3447,
0.3275

Harmonies

Analogous

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



15.1294, 0.2760, 0.3866



15.1294, 0.2382, 0.3359



15.1294, 0.2202, 0.2882

Triad

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



15.1294, 0.2382, 0.3359



15.1294, 0.2929, 0.2555



15.1294, 0.4077, 0.3943

Complementary

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



15.1294, 0.2382, 0.3359



5.5455, 0.5172, 0.3243

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.



15.1294, 0.4150, 0.3562



15.1294, 0.2382, 0.3359



15.1294, 0.3455, 0.2799

Square

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



15.1294, 0.2382, 0.3359



15.1294, 0.2497, 0.2469



15.1294, 0.3917, 0.3156



15.1294, 0.3742, 0.4194

Rectangle

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



15.1294, 0.2382, 0.3359



15.1294, 0.2205, 0.2654



15.1294, 0.3917, 0.3156



15.1294, 0.4135, 0.3825

Sweetspot

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



15.1300, 0.2382, 0.3359



30.2909, 0.2845, 0.3308



14.0686, 0.3061, 0.5363



7.1174, 0.2816, 0.3310



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.



15.1300, 0.2382, 0.3359



26.1035, 0.2312, 0.3377



7.9774, 0.2134, 0.2333



4.5100, 0.2999, 0.3298



16.0198, 0.2277, 0.3396



76.3873, 0.2278, 0.3402

Inverse Universe

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



5.5455, 0.5172, 0.3243



7.9615, 0.5848, 0.3254



9.1584, 0.4650, 0.4014



4.0172, 0.3272, 0.3283



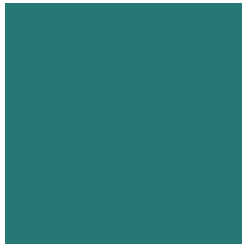
4.3662, 0.6339, 0.3266



20.7998, 0.6375, 0.3285

Previews

White Background



This preview shows how the Yxy color 15.1294, 0.2382, 0.3359 looks on a white background.

Color Contrast Check

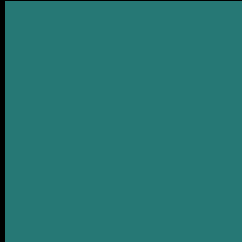
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1294, 0.2382, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

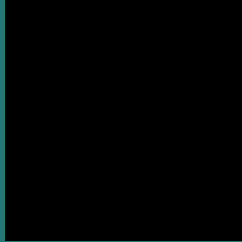
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1294, 0.2382, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 15.1294, 0.2382, 0.3359.



This preview shows how white text looks on a background with the Yxy color 15.1294, 0.2382, 0.3359.

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

15.1294, 0.2382, 0.3359

Protanopia

14.8707, 0.3129, 0.3248

Deuteranopia

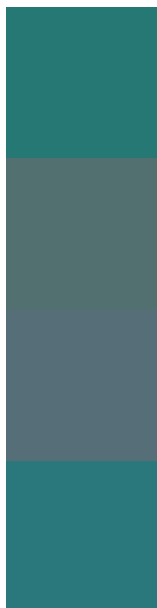
14.9699, 0.3046, 0.2989



Tritanopia

15.0509, 0.2320, 0.3060

Trichromacy



Original Color

15.1294, 0.2382, 0.3359

Protanomaly

14.5972, 0.2768, 0.3289

Deuteranomaly

14.4622, 0.2724, 0.3092

Tritanomaly

15.1411, 0.2344, 0.3172

Monochromacy



Original Color

15.1294, 0.2382, 0.3359

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.3357, 0.2746, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1294, 0.2382, 0.3359 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(38, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(38, 120, 117)  
}
```

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(38, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 120, 117) }
```

Border

The CSS property to change the border of an element to Yxy 15.1294, 0.2382, 0.3359 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(38, 120, 117) }
```

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

```
.border{ border-color:rgb(38, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(38, 120,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1294, 0.2382, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 120, 117) }
```

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

```
.background{ background-color: rgb(38, 120,  
117) }
```

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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