

Converting Colors

$Y_{xy}(15.1726, 0.2613, 0.3475)$

Have a look what the booklet for
Yxy(15.1726, 0.2613, 0.3475)
contains.

Yxy(15.1726, 0.2613, 0.3475)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.1726, 0.2613, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	40766E
RGB	64, 118, 110
RGB Percent	25%, 46%, 43%
CMY	0.7489, 0.5373, 0.5686
CMYK	0.46, 0.00, 0.07, 0.54
HSL	171°, 30%, 36%
HSV	171°, 46%, 46%
XYZ	11.4089, 15.1726, 17.0806
YIQ	100.9420, -29.6160, -13.9360

Conversions

Conversions Part 2

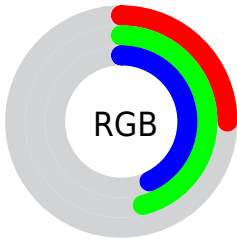
Format	Color
RYB	64, 93, 118
Decimal	4224622
CIELab	45.87, -20.03, -1.19
CIElCh	46, 20.070, 183.406
Yxy	15.1726, 0.2613, 0.3475
Android (android.graphics.Color)	4282414702 (0xFF40766E)
YUV	100.9420, 4.4656, -32.3981
Hunter-Lab	38.9520, -15.8840, 1.2675

Details

The Yxy color **15.1726, 0.2613, 0.3475** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.9900, 0.4094, 0.3122**, and the grayscale version is **12.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9675, 0.2737, 0.3433**, and **4.6732, 0.2368, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **14.7807, 0.2533, 0.3523**, and if you desaturate by 10%, it is **15.6502, 0.2708, 0.3430**.

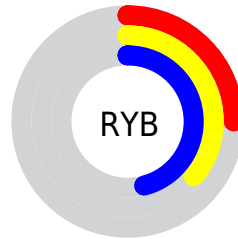
Distribution



Red (25%)

Green (46%)

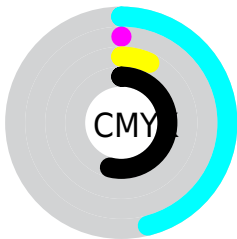
Blue (43%)



Red (25%)

Yellow (36%)

Blue (46%)

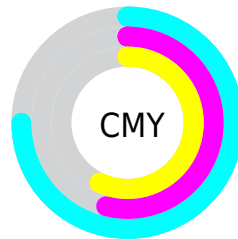


Cyan (46%)

Magenta (0%)

Yellow (7%)

Black (54%)



Cyan (75%)


Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1726, 0.2613, 0.3475 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 15.1726, 0.2613, 0.3475 by changing the saturation by 10% instead.


 15.1726, 0.2613,
0.3475


 15.1726, 0.2613,
0.3475


224.4086, 0.2916,
0.3367


 8.9406, 0.2516,
0.3509


 35.1557, 0.2737,
0.3431


 4.7025, 0.2375,
0.3557

 49.6756, 0.2779,
0.3416


 2.0738, 0.2151,
0.3632

 67.7269, 0.2813,
0.3404

 0.6498, 0.0819,
0.4141

 89.6940, 0.2841,
0.3394

 0.0000, 0.0000,
0.0000

 115.9613, 0.2864,
0.3386

146.9133, 0.2884,

0.3379

182.9342, 0.2901,
0.3373

■ 15.1726, 0.2613,
0.3475

■ 15.1726, 0.2613,
0.3475

■ 14.7807, 0.2533,
0.3523

■ 15.6502, 0.2708,
0.3430

■ 14.4673, 0.2468,
0.3572

■ 16.2165, 0.2814,
0.3387

■ 14.2272, 0.2421,
0.3622

■ 16.8767, 0.2931,
0.3347

■ 14.0535, 0.2392,
0.3672

■ 17.6350, 0.3054,
0.3310

■ 13.9336, 0.2378,
0.3722

■ 18.4952, 0.3182,
0.3276

■ 13.8865, 0.2373,
0.3743

■ 19.4611, 0.3313,
0.3246

■ 20.5362, 0.3444,
0.3219

■ 21.7238, 0.3574,
0.3195

■ 23.0273, 0.3701,
0.3174

Harmonies

Analogous

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



15.1726, 0.2958, 0.3835



15.1726, 0.2613, 0.3475



15.1726, 0.2410, 0.3081

Triad

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



15.1726, 0.2613, 0.3475



15.1726, 0.2855, 0.2659



15.1726, 0.3923, 0.3736

Complementary

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



15.1726, 0.2613, 0.3475



7.9900, 0.4094, 0.3122

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.



15.1726, 0.3901, 0.3418



15.1726, 0.2613, 0.3475



15.1726, 0.3261, 0.2822

Square

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



15.1726, 0.2613, 0.3475



15.1726, 0.2543, 0.2640



15.1726, 0.3653, 0.3092



15.1726, 0.3720, 0.3966

Rectangle

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



15.1726, 0.2613, 0.3475



15.1726, 0.2374, 0.2866



15.1726, 0.3653, 0.3092



15.1726, 0.3942, 0.3636

Sweetspot

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



15.1732, 0.2613, 0.3475



29.8507, 0.2947, 0.3341



14.7093, 0.3156, 0.4603



6.8134, 0.2927, 0.3348



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.1732, 0.2613, 0.3475



25.9516, 0.2528, 0.3526



11.3434, 0.2464, 0.2835



4.1464, 0.3013, 0.3321



15.0226, 0.2374, 0.3745



73.1079, 0.2381, 0.3772

Inverse Universe

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



7.9900, 0.4094, 0.3122



11.6089, 0.4460, 0.3090



10.3962, 0.4082, 0.3695



3.7089, 0.3255, 0.3259



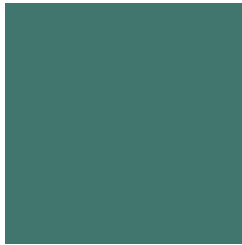
4.2109, 0.6131, 0.3151



20.4391, 0.6230, 0.3205

Previews

White Background



This preview shows how the Yxy color 15.1726, 0.2613, 0.3475 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 15.1726, 0.2613, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

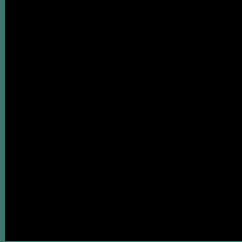
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1726, 0.2613, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 15.1726, 0.2613, 0.3475.



This preview shows how white text looks on a background with the Yxy color 15.1726, 0.2613, 0.3475.

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

15.1726, 0.2613, 0.3475

Protanopia

15.1041, 0.3220, 0.3373

Deuteranopia

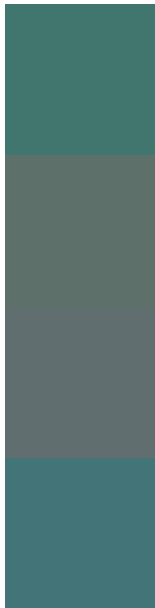
15.0084, 0.3177, 0.3129



Tritanopia

15.2004, 0.2505, 0.3088

Trichromacy



Original Color

15.1726, 0.2613, 0.3475

Protanomaly

15.0086, 0.2966, 0.3421

Deuteranomaly

14.8631, 0.2933, 0.3246

Tritanomaly

15.2719, 0.2545, 0.3221

Monochromacy



Original Color

15.1726, 0.2613, 0.3475

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.5896, 0.2911, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1726, 0.2613, 0.3475 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(64, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(64, 118, 110)  
}
```

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(64, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 118, 110) }
```

Border

The CSS property to change the border of an element to Yxy 15.1726, 0.2613, 0.3475 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(64, 118, 110) }
```

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

```
.border{ border-color:rgb(64, 118, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 118, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 118, 110);  
box-shadow:4px 4px 4px 4px rgb(64, 118,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1726, 0.2613, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 118, 110) }
```

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

```
.background{ background-color: rgb(64, 118,  
110) }
```

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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