

Converting Colors

$Yxy(14.5722, 0.2409, 0.3494)$

Have a look what the booklet for
Yxy(14.5722, 0.2409, 0.3494)
contains.

Yxy(14.6595, 0.2410, 0.3509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.6595, 0.2410, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	22776E
RGB	34, 119, 110
RGB Percent	13%, 47%, 43%
CMY	0.8671, 0.5333, 0.5686
CMYK	0.72, 0.00, 0.08, 0.53
HSL	174°, 56%, 30%
HSV	174°, 72%, 47%
XYZ	10.0682, 14.6595, 17.0491
YIQ	92.5590, -47.7710, -20.8190

Conversions

Conversions Part 2

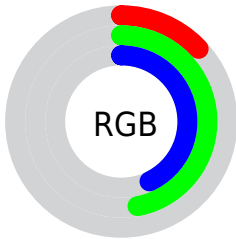
Format	Color
RYB	34, 79, 119
Decimal	2258798
CIELab	45.16, -27.06, -2.34
CIElCh	45, 27.162, 184.947
Yxy	14.6595, 0.2410, 0.3509
Android (android.graphics.Color)	4280448878 (0xFF22776E)
YUV	92.5590, 8.5984, -51.3562
Hunter-Lab	38.2877, -20.0648, 0.4002

Details

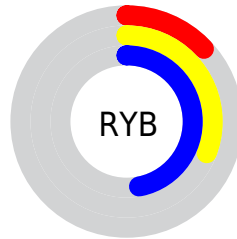
The Yxy color **14.6595, 0.2410, 0.3509** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.2349, 0.5163, 0.3138**, and the grayscale version is **10.8204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3536, 0.2587, 0.3472**, and **4.7392, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **14.4650, 0.2370, 0.3544**, and if you desaturate by 10%, it is **14.9256, 0.2467, 0.3474**.

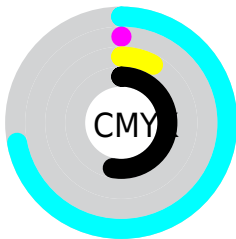
Distribution



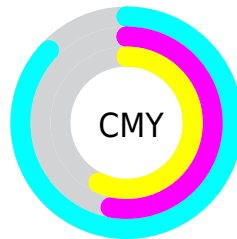
- Red (13%)
- Green (47%)
- Blue (43%)



- Red (13%)
- Yellow (31%)
- Blue (47%)



- Cyan (72%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)





- Cyan (87%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6595, 0.2410, 0.3509 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 14.6595, 0.2410, 0.3509 by changing the saturation by 10% instead.


 14.6595, 0.2410,
0.3509

 14.6595, 0.2410,
0.3509


221.2959, 0.2832,
0.3384


 8.5808, 0.2276,
0.3547

 34.2547, 0.2582,
0.3459


 4.4688, 0.2082,
0.3599

 48.5400, 0.2641,
0.3442


 1.9391, 0.1778,
0.3674

 66.3296, 0.2688,
0.3428

 0.5717, 0.0000,
0.4210

 88.0079, 0.2727,
0.3416

 0.0000, 0.0000,
0.0000

 113.9593, 0.2760,
0.3406

 144.5681, 0.2787,

0.3397

180.2189, 0.2811,
0.3390

■ 14.6595, 0.2410,
0.3509

■ 14.6595, 0.2410,
0.3509

■ 14.4650, 0.2370,
0.3544

■ 14.9256, 0.2467,
0.3474

■ 14.3327, 0.2348,
0.3579

■ 15.2680, 0.2541,
0.3440

■ 14.2450, 0.2336,
0.3609

■ 15.6932, 0.2632,
0.3407

■ 16.2064, 0.2735,
0.3376

■ 16.8123, 0.2851,
0.3346

■ 17.5154, 0.2976,
0.3319

■ 18.3199, 0.3107,
0.3294

■ 19.2297, 0.3242,
0.3271

■ 20.2484, 0.3380,
0.3250

Harmonies

Analogous

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



14.6595, 0.2858, 0.4035



14.6595, 0.2410, 0.3509



14.6595, 0.2161, 0.2963

Triad

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



14.6595, 0.2410, 0.3509



14.6595, 0.2778, 0.2461



14.6595, 0.4202, 0.3889

Complementary

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



14.6595, 0.2410, 0.3509



5.2349, 0.5163, 0.3138

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.



14.6595, 0.4199, 0.3464



14.6595, 0.2410, 0.3509



14.6595, 0.3332, 0.2683

Square

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



14.6595, 0.2410, 0.3509



14.6595, 0.2360, 0.2417



14.6595, 0.3871, 0.3038



14.6595, 0.3900, 0.4215

Rectangle

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



14.6595, 0.2410, 0.3509



14.6595, 0.2125, 0.2685



14.6595, 0.3871, 0.3038



14.6595, 0.4239, 0.3753

Sweetspot

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



14.6601, 0.2410, 0.3509



30.0986, 0.2851, 0.3346



13.8426, 0.3102, 0.5424



7.0730, 0.2824, 0.3353



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.



14.6601, 0.2410, 0.3509



25.7287, 0.2354, 0.3567



8.3878, 0.2134, 0.2437



4.1489, 0.3008, 0.3312



15.1310, 0.2336, 0.3610



73.6601, 0.2341, 0.3628

Inverse Universe

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



5.2349, 0.5163, 0.3138



7.7155, 0.5843, 0.3169



7.9958, 0.4841, 0.3919



3.7066, 0.3260, 0.3268



4.1958, 0.6220, 0.3200



20.3822, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 14.6595, 0.2410, 0.3509 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 14.6595, 0.2410, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

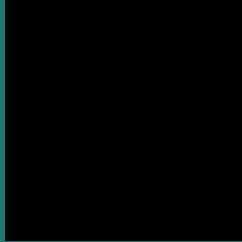
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6595, 0.2410, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 14.6595, 0.2410, 0.3509.



This preview shows how white text looks on a background with the Yxy color 14.6595, 0.2410, 0.3509.

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

14.6595, 0.2410, 0.3509

Protanopia

14.5186, 0.3222, 0.3375

Deuteranopia

14.4035, 0.3137, 0.3086



Tritanopia

14.7425, 0.2324, 0.3080

Trichromacy



Original Color

14.6595, 0.2410, 0.3509

Protanomaly

14.1826, 0.2831, 0.3427

Deuteranomaly

13.9919, 0.2774, 0.3221

Tritanomaly

14.7640, 0.2358, 0.3241

Monochromacy



Original Color

14.6595, 0.2410, 0.3509

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.7813, 0.2763, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6595, 0.2410, 0.3509 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(34, 119, 110)` looks like.

```
.text, #text, p{  
  color:rgb(34, 119, 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(34, 119, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 119, 110) }
```

Border

The CSS property to change the border of an element to Yxy 14.6595, 0.2410, 0.3509 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(34, 119, 110) }
```

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

```
.border{ border-color:rgb(34, 119, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 119, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 119, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 119, 110);  
box-shadow:4px 4px 4px 4px rgb(34, 119,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6595, 0.2410, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 119, 110) }
```

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

```
.background{ background-color: rgb(34, 119,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor