

Converting Colors

$Y_{xy}(14.2726, 0.2652, 0.3347)$

Have a look what the booklet for
Yxy(14.2726, 0.2652, 0.3347)
contains.

Yxy(14.2600, 0.2643, 0.3335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.2600, 0.2643, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	46716F
RGB	70, 113, 111
RGB Percent	27%, 44%, 44%
CMY	0.7254, 0.5569, 0.5647
CMYK	0.38, 0.00, 0.02, 0.56
HSL	177°, 23%, 36%
HSV	177°, 38%, 44%
XYZ	11.3011, 14.2600, 17.1975
YIQ	99.9150, -24.9860, -9.7380

Conversions

Conversions Part 2

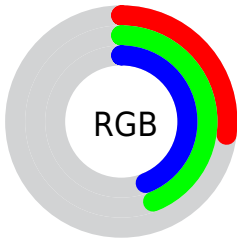
Format	Color
R_{YB}	70, 92, 113
Decimal	4616559
CIE Lab	44.60, -15.36, -3.62
CIE LCh	45, 15.778, 193.268
Yxy	14.2600, 0.2643, 0.3335
Android (android.graphics.Color)	4282806639 (0xFF46716F)
YUV	99.9150, 5.4649, -26.2355
Hunter-Lab	37.7624, -12.6648, -0.5678

Details

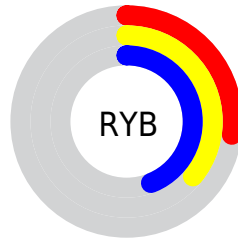
The Yxy color **14.2600, 0.2643, 0.3335** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.3608, 0.3951, 0.3248**, and the grayscale version is **12.7129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6196, 0.2761, 0.3321**, and **4.2989, 0.2426, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **13.8675, 0.2543, 0.3349**, and if you desaturate by 10%, it is **14.7328, 0.2756, 0.3322**.

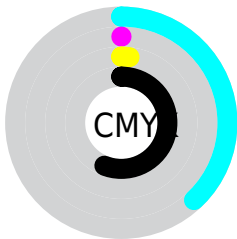
Distribution



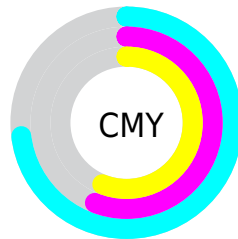
- Red (27%)
- Green (44%)
- Blue (44%)



- Red (27%)
- Yellow (36%)
- Blue (44%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (56%)




- Cyan (73%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2600, 0.2643, 0.3335 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 14.2600, 0.2643, 0.3335 by changing the saturation by 10% instead.


 14.2600, 0.2643,
0.3335


 14.2600, 0.2643,
0.3335


218.8424, 0.2930,
0.3312


 8.3017, 0.2550,
0.3340


 33.5497, 0.2761,
0.3327


 4.2886, 0.2415,
0.3346

 47.6498, 0.2801,
0.3323


 1.8363, 0.2197,
0.3351

 65.2327, 0.2833,
0.3321

 0.5096, 0.0767,
0.3571

 86.6828, 0.2859,
0.3318

 0.0000, 0.0000,
0.0000

 112.3844, 0.2881,
0.3316

142.7219, 0.2900,

0.3315

178.0798, 0.2916,
0.3313

■ 14.2600, 0.2643,
0.3335

■ 14.2600, 0.2643,
0.3335

■ 13.8675, 0.2543,
0.3349

■ 14.7328, 0.2756,
0.3322

■ 13.5492, 0.2459,
0.3363

■ 15.2882, 0.2881,
0.3310

■ 13.3008, 0.2392,
0.3377

■ 15.9308, 0.3015,
0.3298

■ 13.1166, 0.2342,
0.3392

■ 16.6640, 0.3155,
0.3288

■ 12.9906, 0.2309,
0.3406

■ 17.4913, 0.3299,
0.3279

■ 12.9042, 0.2288,
0.3421

■ 18.4158, 0.3445,
0.3270

■ 12.8877, 0.2284,
0.3424

■ 19.4407, 0.3591,
0.3263

■ 20.5688, 0.3735,
0.3256

■ 21.8029, 0.3875,
0.3251

Harmonies

Analogous

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



14.2600, 0.2893, 0.3639



14.2600, 0.2643, 0.3335



14.2600, 0.2522, 0.3036

Triad

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



14.2600, 0.2643, 0.3335



14.2600, 0.3013, 0.2807



14.2600, 0.3731, 0.3728

Complementary

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



14.2600, 0.2643, 0.3335



8.3608, 0.3951, 0.3248

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.



14.2600, 0.3773, 0.3489



14.2600, 0.2643, 0.3335



14.2600, 0.3346, 0.2974

Square

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



14.2600, 0.2643, 0.3335



14.2600, 0.2726, 0.2752



14.2600, 0.3630, 0.3218



14.2600, 0.3523, 0.3865

Rectangle

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



14.2600, 0.2643, 0.3335



14.2600, 0.2524, 0.2885



14.2600, 0.3630, 0.3218



14.2600, 0.3766, 0.3656

Sweetspot

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



14.2606, 0.2643, 0.3335



28.1355, 0.2970, 0.3302



13.6365, 0.3103, 0.4364



6.4799, 0.2957, 0.3303



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.2606, 0.2643, 0.3335



24.8846, 0.2551, 0.3348



10.4393, 0.2558, 0.2817



3.8126, 0.3002, 0.3299



14.6185, 0.2285, 0.3425



72.7853, 0.2287, 0.3433

Inverse Universe

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



8.3608, 0.3951, 0.3248



12.6291, 0.4261, 0.3239



11.1575, 0.3837, 0.3717



3.4038, 0.3268, 0.3281



3.9945, 0.6320, 0.3255



19.8631, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 14.2600, 0.2643, 0.3335 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 14.2600, 0.2643, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

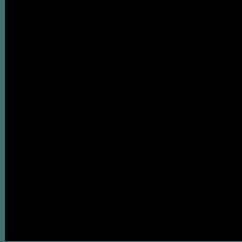
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2600, 0.2643, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 14.2600, 0.2643, 0.3335.



This preview shows how white text looks on a background with the Yxy color 14.2600, 0.2643, 0.3335.

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

14.2600, 0.2643, 0.3335

Protanopia

14.2696, 0.3142, 0.3269

Deuteranopia

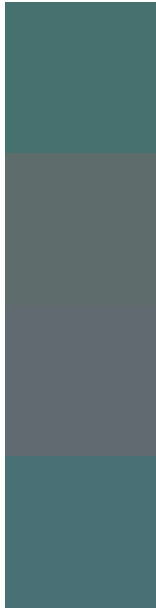
14.1397, 0.3124, 0.3064



Tritanopia

14.3853, 0.2573, 0.3086

Trichromacy



Original Color

14.2600, 0.2643, 0.3335

Protanomaly

14.1875, 0.2941, 0.3289

Deuteranomaly

14.0193, 0.2931, 0.3159

Tritanomaly

14.2504, 0.2601, 0.3174

Monochromacy



Original Color

14.2600, 0.2643, 0.3335

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2265, 0.2923, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2600, 0.2643, 0.3335 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(70, 113, 111)` looks like.

```
.text, #text, p{  
  color:rgb(70, 113, 111)  
}
```

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(70, 113, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 113, 111) }
```

Border

The CSS property to change the border of an element to Yxy 14.2600, 0.2643, 0.3335 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(70, 113, 111) }
```

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

```
.border{ border-color:rgb(70, 113, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 113, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 113, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 113, 111);  
box-shadow:4px 4px 4px 4px rgb(70, 113,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2600, 0.2643, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 113, 111) }
```

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

```
.background{ background-color: rgb(70, 113,  
111) }
```

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