

Converting Colors

$Y_{xy}(14.3491, 0.2828, 0.3232)$

Have a look what the booklet for
Yxy(14.3491, 0.2828, 0.3232)
contains.

Yxy(14.4456, 0.2835, 0.3245)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.4456, 0.2835, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	596E70
RGB	89, 110, 112
RGB Percent	35%, 43%, 44%
CMY	0.6510, 0.5686, 0.5608
CMYK	0.21, 0.02, 0.00, 0.56
HSL	185°, 11%, 39%
HSV	185°, 21%, 44%
XYZ	12.6204, 14.4456, 17.4505
YIQ	103.9490, -13.1580, -3.8300

Conversions

Conversions Part 2

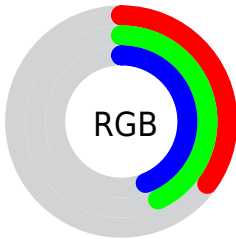
Format	Color
R_{YB}	89, 100, 112
Decimal	5860976
CIE Lab	44.87, -7.27, -3.70
CIE LCh	45, 8.154, 206.964
Yxy	14.4456, 0.2835, 0.3245
Android (android.graphics.Color)	4284051056 (0xFF596E70)
YUV	103.9490, 3.9691, -13.1103
Hunter-Lab	38.0074, -7.2416, -0.6169

Details

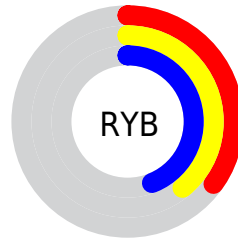
The Yxy color **14.4456, 0.2835, 0.3245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6475, 0.3500, 0.3335**, and the grayscale version is **13.8213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0100, 0.2900, 0.3259**, and **4.3290, 0.2706, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **13.7253, 0.2704, 0.3221**, and if you desaturate by 10%, it is **15.2537, 0.2974, 0.3268**.

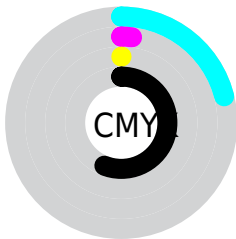
Distribution



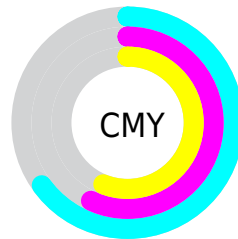
- Red (35%)
- Green (43%)
- Blue (44%)



- Red (35%)
- Yellow (39%)
- Blue (44%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)



- Cyan (65%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4456, 0.2835, 0.3245 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 14.4456, 0.2835, 0.3245 by changing the saturation by 10% instead.

■ 14.4456, 0.2835,
0.3245

■ 14.4456, 0.2835,
0.3245

■ 219.9856, 0.3008,
0.3273

■ 8.4312, 0.2779,
0.3235

■ 33.8776, 0.2906,
0.3257

■ 4.3721, 0.2696,
0.3219

■ 48.0641, 0.2930,
0.3261

■ 1.8838, 0.2562,
0.3190

■ 65.7433, 0.2950,
0.3264

■ 0.5386, 0.1947,
0.3135

■ 87.2998, 0.2966,
0.3267

■ 0.0000, 0.0000,
0.0000

■ 113.1178, 0.2979,
0.3269

143.5819, 0.2990,

0.3271

179.0763, 0.3000,
0.3272

■ 14.4456, 0.2835,
0.3245

■ 14.4456, 0.2835,
0.3245

■ 13.7253, 0.2704,
0.3221

■ 15.2537, 0.2974,
0.3268

■ 13.0872, 0.2583,
0.3195

■ 16.1513, 0.3119,
0.3289

■ 12.5278, 0.2475,
0.3168

■ 17.1425, 0.3268,
0.3308

■ 12.0427, 0.2383,
0.3140

■ 18.2304, 0.3417,
0.3326

■ 11.6269, 0.2307,
0.3112

■ 19.4181, 0.3564,
0.3341

■ 11.2749, 0.2248,
0.3084

■ 20.7084, 0.3710,
0.3355

■ 10.9803, 0.2206,
0.3055

■ 22.1041, 0.3851,
0.3367

■ 10.7295, 0.2175,
0.3029

■ 23.6078, 0.3988,
0.3378

■ 25.2223, 0.4119,
0.3387

Harmonies

Analogous

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



14.4456, 0.2941, 0.3401



14.4456, 0.2835, 0.3245



14.4456, 0.2805, 0.3107

Triad

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



14.4456, 0.2835, 0.3245



14.4456, 0.3150, 0.3068



14.4456, 0.3400, 0.3559

Complementary

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



14.4456, 0.2835, 0.3245



11.6475, 0.3500, 0.3335

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.



14.4456, 0.3460, 0.3461



14.4456, 0.2835, 0.3245



14.4456, 0.3313, 0.3181

Square

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



14.4456, 0.2835, 0.3245



14.4456, 0.2984, 0.3010



14.4456, 0.3428, 0.3323



14.4456, 0.3266, 0.3586

Rectangle

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



14.4456, 0.2835, 0.3245



14.4456, 0.2832, 0.3043



14.4456, 0.3428, 0.3323



14.4456, 0.3429, 0.3533

Sweetspot

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



14.4462, 0.2835, 0.3245



27.4692, 0.3037, 0.3277



14.4652, 0.3080, 0.3775



6.5819, 0.3031, 0.3276



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.



14.4462, 0.2835, 0.3245



24.7131, 0.2766, 0.3233



12.1389, 0.2819, 0.2985



3.7682, 0.2996, 0.3271



12.3890, 0.2174, 0.3027



61.0839, 0.2170, 0.3011

Inverse Universe

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



11.7159, 0.3179, 0.2850



18.9506, 0.3194, 0.2738



13.7504, 0.3455, 0.3578



3.4487, 0.3149, 0.3100



5.0965, 0.3431, 0.1664



25.3242, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 14.4456, 0.2835, 0.3245 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 14.4456, 0.2835, 0.3245 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

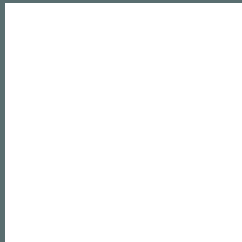
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.4456, 0.2835, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 14.4456, 0.2835, 0.3245.



This preview shows how white text looks on a background with the Yxy color 14.4456, 0.2835, 0.3245.

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

14.4456, 0.2835, 0.3245

Protanopia

14.3331, 0.3103, 0.3206

Deuteranopia

14.4035, 0.3137, 0.3086



Tritanopia

14.4189, 0.2779, 0.3093

Trichromacy



Original Color

14.4456, 0.2835, 0.3245

Protanomaly

14.3505, 0.2995, 0.3225

Deuteranomaly

14.4434, 0.3012, 0.3142

Tritanomaly

14.3719, 0.2801, 0.3136

Monochromacy



Original Color

14.4456, 0.2835, 0.3245

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.0223, 0.3019, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4456, 0.2835, 0.3245 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(89, 110, 112) looks like.

```
.text, #text, p{  
  color:rgb(89, 110, 112)  
}
```

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(89, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 110, 112) }
```

Border

The CSS property to change the border of an element to Yxy 14.4456, 0.2835, 0.3245 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(89, 110, 112) }
```

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

```
.border{ border-color:rgb(89, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(89, 110,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4456, 0.2835, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 110, 112) }
```

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

```
.background{ background-color: rgb(89, 110,  
112) }
```

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