

Converting Colors

$Y_{xy}(14.6386, 0.2845, 0.3895)$

Have a look what the booklet for
Yxy(14.6386, 0.2845, 0.3895)
contains.

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Color

Yxy(14.5482, 0.2854, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	46745B
RGB	70, 116, 91
RGB Percent	27%, 45%, 36%
CMY	0.7254, 0.5451, 0.6432
CMYK	0.40, 0.00, 0.22, 0.55
HSL	147°, 25%, 36%
HSV	147°, 40%, 45%
XYZ	10.6600, 14.5482, 12.1428
YIQ	99.3960, -19.3910, -17.5270

Conversions

Conversions Part 2

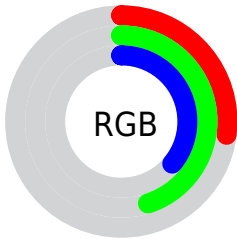
Format	Color
RYB	70, 102, 116
Decimal	4617307
CIELab	45.01, -21.85, 8.92
CIElCh	45, 23.596, 157.789
Yxy	14.5482, 0.2854, 0.3895
Android (android.graphics.Color)	4282807387 (0xFF46745B)
YUV	99.3960, -4.1392, -25.7803
Hunter-Lab	38.1421, -16.8615, 7.8241

Details

The Yxy color **14.5482, 0.2854, 0.3895** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9215, 0.3545, 0.2760**, and the grayscale version is **12.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9214, 0.2924, 0.3735**, and **4.3632, 0.2701, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **14.0539, 0.2800, 0.4082**, and if you desaturate by 10%, it is **15.1362, 0.2916, 0.3721**.

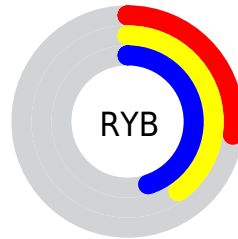
Distribution



Red (27%)

Green (45%)

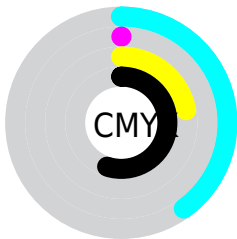
Blue (36%)



Red (27%)

Yellow (40%)

Blue (45%)

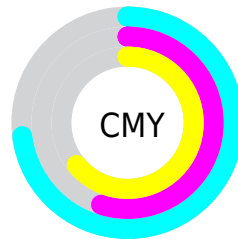


Cyan (40%)

Magenta (0%)

Yellow (22%)

Black (55%)



Cyan (73%)

Magenta (55%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5482, 0.2854, 0.3895 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 14.5482, 0.2854, 0.3895 by changing the saturation by 10% instead.

 14.5482, 0.2854,
0.3895


 14.5482, 0.2854,
0.3895


220.6151, 0.3022,
0.3523


 8.5029, 0.2795,
0.4025

 34.0586, 0.2926,
0.3737


 4.4184, 0.2704,
0.4226


 48.2925, 0.2949,
0.3685


 1.9103, 0.2545,
0.4574

 66.0248, 0.2968,
0.3644

 0.5545, 0.0000,
1.0000

 87.6398, 0.2983,
0.3610

 0.0000, 0.0000,
0.0000

 113.5219, 0.2995,
0.3583

144.0556, 0.3006,

0.3560

179.6252, 0.3015,
0.3540

■ 14.5482, 0.2854,
0.3895

■ 14.5482, 0.2854,
0.3895

■ 14.0539, 0.2800,
0.4082

■ 15.1362, 0.2916,
0.3721

■ 13.6464, 0.2758,
0.4279

■ 15.8208, 0.2985,
0.3561

■ 13.3209, 0.2731,
0.4481


■ 16.6069, 0.3056,
0.3416


■ 13.0711, 0.2720,
0.4685

■ 17.4985, 0.3130,
0.3286

■ 12.8898, 0.2727,
0.4883

■ 18.4995, 0.3203,
0.3170

 12.7521, 0.2744,
0.5074

 19.6135, 0.3275,
0.3067

 12.7474, 0.2745,
0.5080

 20.8441, 0.3345,
0.2976

 22.1944, 0.3413,
0.2896

 23.6677, 0.3477,
0.2826

Harmonies

Analogous

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



14.5482, 0.3331, 0.4152



14.5482, 0.2854, 0.3895



14.5482, 0.2470, 0.3436

Triad

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



14.5482, 0.2854, 0.3895



14.5482, 0.2480, 0.2517



14.5482, 0.4073, 0.3489

Complementary

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



14.5482, 0.2854, 0.3895



8.9215, 0.3545, 0.2760

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.



14.5482, 0.3811, 0.3106



14.5482, 0.2854, 0.3895



14.5482, 0.2867, 0.2569

Square

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



14.5482, 0.2854, 0.3895



14.5482, 0.2270, 0.2649



14.5482, 0.3357, 0.2780



14.5482, 0.4053, 0.3858

Rectangle

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



14.5482, 0.2854, 0.3895



14.5482, 0.2311, 0.3116



14.5482, 0.3357, 0.2780



14.5482, 0.4015, 0.3359

Sweetspot

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



14.5488, 0.2854, 0.3895



28.8063, 0.3037, 0.3453



15.3826, 0.3398, 0.4319



6.8398, 0.3030, 0.3467



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.



14.5488, 0.2854, 0.3895



24.7380, 0.2803, 0.4074



15.0016, 0.2626, 0.3341



4.1234, 0.3061, 0.3408



14.3016, 0.2747, 0.5090



69.5246, 0.2773, 0.5184

Inverse Universe

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



8.9215, 0.3545, 0.2760



13.3050, 0.3690, 0.2634



8.5669, 0.4002, 0.3242



3.7311, 0.3199, 0.3175



4.5667, 0.4708, 0.2367



22.0795, 0.4810, 0.2424

Previews

White Background



This preview shows how the Yxy color 14.5482, 0.2854, 0.3895 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 14.5482, 0.2854, 0.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

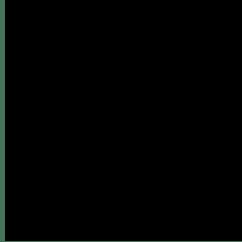
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5482, 0.2854, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 14.5482, 0.2854, 0.3895.



This preview shows how white text looks on a background with the Yxy color 14.5482, 0.2854, 0.3895.

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

14.5482, 0.2854, 0.3895

Protanopia

14.4247, 0.3482, 0.3716

Deuteranopia

14.3758, 0.3521, 0.3454



Tritanopia

14.5466, 0.2613, 0.3088

Trichromacy



Original Color

14.5482, 0.2854, 0.3895

Protanomaly

14.3978, 0.3226, 0.3786

Deuteranomaly

14.1305, 0.3238, 0.3600

Tritanomaly

14.3919, 0.2694, 0.3358

Monochromacy



Original Color

14.5482, 0.2854, 0.3895

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.0224, 0.3007, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5482, 0.2854, 0.3895 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, 116, 91)` looks like.

```
.text, #text, p{  
  color:rgb(70, 116, 91)  
}
```

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, 116, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 116, 91) }
```

Border

The CSS property to change the border of an element to Yxy 14.5482, 0.2854, 0.3895 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, 116, 91) }
```

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

```
.border{ border-color:rgb(70, 116, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 116, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 116, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 116, 91);  
box-shadow:4px 4px 4px 4px rgb(70, 116,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5482, 0.2854, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 116, 91) }
```

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

```
.background{ background-color: rgb(70, 116,  
91) }
```

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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