

Converting Colors

$Y_{xy}(45.7572, 0.2989, 0.3314)$

Have a look what the booklet for
Yxy(45.7572, 0.2989, 0.3314)
contains.

Yxy(45.7654, 0.2994, 0.3317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7654, 0.2994, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	A6B8B6
RGB	166, 184, 182
RGB Percent	65%, 72%, 71%
CMY	0.3490, 0.2784, 0.2864
CMYK	0.10, 0.00, 0.01, 0.28
HSL	173°, 11%, 69%
HSV	173°, 10%, 72%
XYZ	41.3089, 45.7654, 50.8980
YIQ	178.3900, -10.0860, -4.4380

Conversions

Conversions Part 2

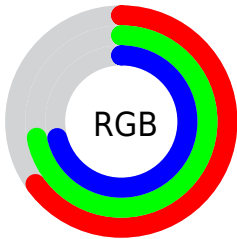
Format	Color
RYB	166, 176, 184
Decimal	10926262
CIELab	73.39, -6.58, -1.09
CIELCh	73, 6.667, 189.431
Yxy	45.7654, 0.2994, 0.3317
Android (android.graphics.Color)	4289116342 (0xFFA6B8B6)
YUV	178.3900, 1.7797, -10.8660
Hunter-Lab	67.6501, -9.3911, 2.7470

Details

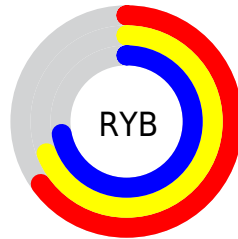
The Yxy color **45.7654, 0.2994, 0.3317** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.2954, 0.3278, 0.3263**, and the grayscale version is **44.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8654, 0.3016, 0.3311**, and **21.3950, 0.2957, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **43.8336, 0.2864, 0.3347**, and if you desaturate by 10%, it is **47.9868, 0.3130, 0.3289**.

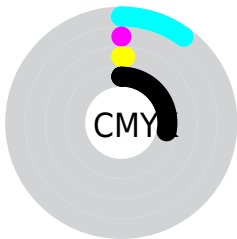
Distribution



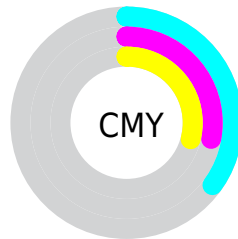
- Red (65%)
- Green (72%)
- Blue (71%)



- Red (65%)
- Yellow (69%)
- Blue (72%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)




- Cyan (35%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7654, 0.2994, 0.3317 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 45.7654, 0.2994, 0.3317 by changing the saturation by 10% instead.


 45.7654, 0.2994,
0.3317

 45.7654, 0.2994,
0.3317

369.8647, 0.3061,
0.3304

 32.0607, 0.2977,
0.3320


 83.8678, 0.3018,
0.3312

 21.4079, 0.2956,
0.3324


 109.0343, 0.3027,
0.3310

 13.4225, 0.2927,
0.3330


138.7902, 0.3035,
0.3309

 7.7201, 0.2887,
0.3337

173.5199, 0.3042,
0.3308

 3.9164, 0.2827,
0.3348

213.6078, 0.3047,
0.3306

 1.6269, 0.2727,
0.3366

259.4383, 0.3052,

 0.3756, 0.1858,

0.3305

0.3552

311.3958, 0.3057,
0.3305

0.0000, 0.0000,
0.0000

45.7654, 0.2994,
0.3317

45.7654, 0.2994,
0.3317

43.8336, 0.2864,
0.3347

47.9868, 0.3130,
0.3289

42.1737, 0.2744,
0.3380

50.5034, 0.3270,
0.3265

40.7746, 0.2637,
0.3415

53.3278, 0.3412,
0.3242

39.6225, 0.2544,
0.3451

56.4701, 0.3554,
0.3223

38.7022, 0.2468,
0.3489

59.3644, 0.3667,
0.3205

■ 37.9966, 0.2410,
0.3527

■ 59.4573, 0.3649,
0.3183

■ 37.4866, 0.2372,
0.3566

■ 59.5515, 0.3631,
0.3161

■ 37.1495, 0.2351,
0.3605

■ 59.6470, 0.3613,
0.3140

■ 36.9405, 0.2346,
0.3643

■ 59.7439, 0.3596,
0.3119

Harmonies

Analogous

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



45.7654, 0.3073, 0.3396



45.7654, 0.2994, 0.3317



45.7654, 0.2951, 0.3232

Triad

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



45.7654, 0.2994, 0.3317



45.7654, 0.3085, 0.3141



45.7654, 0.3304, 0.3413

Complementary

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



45.7654, 0.2994, 0.3317



40.2954, 0.3278, 0.3263

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.



45.7654, 0.3307, 0.3344



45.7654, 0.2994, 0.3317



45.7654, 0.3180, 0.3188

Square

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



45.7654, 0.2994, 0.3317



45.7654, 0.3002, 0.3132



45.7654, 0.3262, 0.3262



45.7654, 0.3252, 0.3451

Rectangle

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



45.7654, 0.2994, 0.3317



45.7654, 0.2947, 0.3184



45.7654, 0.3262, 0.3262



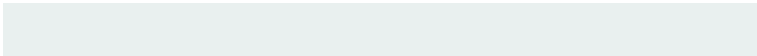
45.7654, 0.3311, 0.3393

Sweetspot

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



45.7673, 0.2994, 0.3317



85.6102, 0.3085, 0.3298



45.3733, 0.3133, 0.3537



18.3849, 0.3074, 0.3300



93.3107, 0.3127, 0.3290



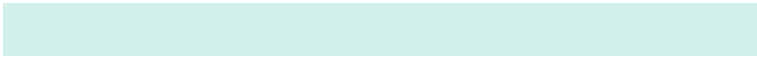
18.7317, 0.3127, 0.3290

Same Dimension

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



45.7673, 0.2994, 0.3317



82.0657, 0.2962, 0.3324



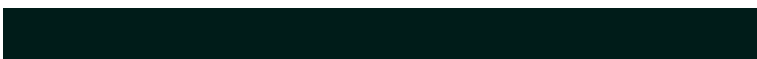
43.0553, 0.2978, 0.3196



10.1927, 0.3000, 0.3316



25.4612, 0.2344, 0.3640



0.9026, 0.2317, 0.3540

Inverse Universe

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



40.2954, 0.3278, 0.3263



69.8938, 0.3321, 0.3256



42.7962, 0.3286, 0.3382



9.0283, 0.3270, 0.3265



7.0653, 0.6244, 0.3213



0.2545, 0.5747, 0.2939

Previews

White Background



This preview shows how the Yxy color 45.7654, 0.2994, 0.3317 looks on a white background.

Color Contrast Check

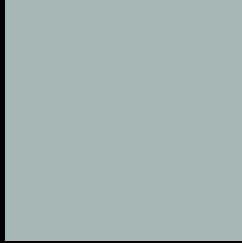
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.7654, 0.2994, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

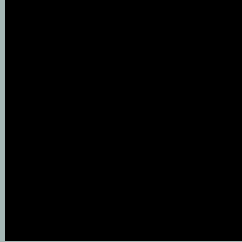
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

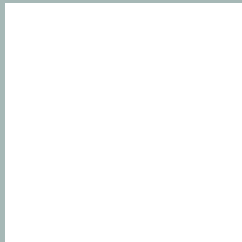
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7654, 0.2994, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 45.7654, 0.2994, 0.3317.

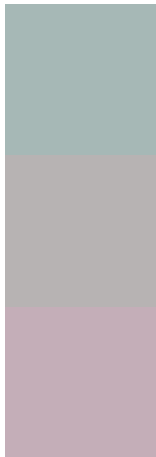


This preview shows how white text looks on a background with the Yxy color 45.7654, 0.2994, 0.3317.

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

45.7654, 0.2994, 0.3317

Protanopia

45.5622, 0.3162, 0.3290

Deuteranopia

45.4686, 0.3240, 0.3164



Tritanopia

45.7663, 0.2906, 0.3105

Trichromacy



Original Color

45.7654, 0.2994, 0.3317

Protanomaly

45.6901, 0.3101, 0.3303

Deuteranomaly

45.5740, 0.3148, 0.3225

Tritanomaly

45.8441, 0.2935, 0.3183

Monochromacy



Original Color

45.7654, 0.2994, 0.3317

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8959, 0.3084, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7654, 0.2994, 0.3317 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(166, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(166, 184, 182)  
}
```

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(166, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.7654, 0.2994, 0.3317 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(166, 184, 182) }
```

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

```
.border{ border-color:rgb(166, 184, 182) }
```

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

Here you see how a box with a 4 pixel rgb(166, 184, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(166, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7654, 0.2994, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 182) }
```

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

```
.background{ background-color: rgb(166,  
184, 182) }
```

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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