

Converting Colors

$Y_{xy}(47.6219, 0.2953, 0.3473)$

Have a look what the booklet for
Yxy(47.6219, 0.2953, 0.3473)
contains.

Yxy(47.6441, 0.2953, 0.3468)	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(47.6441, 0.2953, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	9DBFB2
RGB	157, 191, 178
RGB Percent	62%, 75%, 70%
CMY	0.3843, 0.2510, 0.3020
CMYK	0.18, 0.00, 0.07, 0.25
HSL	157°, 21%, 68%
HSV	157°, 18%, 75%
XYZ	40.5689, 47.6441, 49.1690
YIQ	179.3520, -16.0910, -11.2510

Conversions

Conversions Part 2

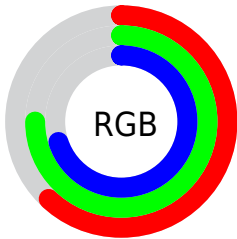
Format	Color
RYB	157, 178, 191
Decimal	10338226
CIELab	74.60, -14.05, 2.77
CIELCh	75, 14.324, 168.866
Yxy	47.6441, 0.2953, 0.3468
Android (android.graphics.Color)	4288528306 (0xFF9DBFB2)
YUV	179.3520, -0.6665, -19.6027
Hunter-Lab	69.0247, -15.8808, 6.0827

Details

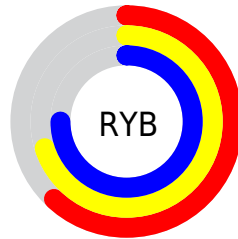
The Yxy color **47.6441, 0.2953, 0.3468** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0921, 0.3341, 0.3119**, and the grayscale version is **45.2868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4591, 0.2983, 0.3427**, and **22.6609, 0.2905, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **45.5868, 0.2862, 0.3583**, and if you desaturate by 10%, it is **50.0214, 0.3050, 0.3364**.

Distribution



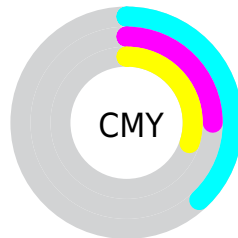
- Red (62%)
- Green (75%)
- Blue (70%)



- Red (62%)
- Yellow (70%)
- Blue (75%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6441, 0.2953, 0.3468 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 47.6441, 0.2953, 0.3468 by changing the saturation by 10% instead.

 47.6441, 0.2953,
0.3468

 47.6441, 0.2953,
0.3468


377.3797, 0.3040,
0.3378

 33.5451, 0.2931,
0.3491


 86.6743, 0.2985,
0.3435

 22.5444, 0.2903,
0.3520

 112.3743, 0.2997,
0.3423

 14.2574, 0.2866,
0.3559


142.7100, 0.3007,
0.3413

 8.2999, 0.2813,
0.3614

178.0660, 0.3015,
0.3404

 4.2875, 0.2734,
0.3698

218.8266, 0.3023,
0.3396

 1.8356, 0.2603,
0.3840

265.3761, 0.3029,

 0.5092, 0.1394,

0.3390

0.5036

318.0990, 0.3035,
0.3384

0.0000, 0.0000,
0.0000

47.6441, 0.2953,
0.3468

47.6441, 0.2953,
0.3468

45.5868, 0.2862,
0.3583

50.0214, 0.3050,
0.3364

43.8294, 0.2779,
0.3707

52.7259, 0.3149,
0.3270

42.3585, 0.2707,
0.3841


55.7721, 0.3249,
0.3187


41.1576, 0.2650,
0.3981

59.1719, 0.3349,
0.3113


40.2082, 0.2610,
0.4127


62.9365, 0.3447,
0.3048

 39.4896, 0.2589,
0.4276


 63.7914, 0.3408,
0.2977


 38.9774, 0.2589,
0.4423

 64.1917, 0.3351,
0.2905

 38.6354, 0.2606,
0.4568

 64.6093, 0.3294,
0.2835

 38.5700, 0.2611,
0.4599

 65.0443, 0.3239,
0.2766

Harmonies

Analogous

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



47.6441, 0.3146, 0.3601



47.6441, 0.2953, 0.3468



47.6441, 0.2809, 0.3286

Triad

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



47.6441, 0.2953, 0.3468



47.6441, 0.2911, 0.2957



47.6441, 0.3521, 0.3449

Complementary

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



47.6441, 0.2953, 0.3468



38.0921, 0.3341, 0.3119

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.



47.6441, 0.3455, 0.3281



47.6441, 0.2953, 0.3468



47.6441, 0.3098, 0.3004

Square

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



47.6441, 0.2953, 0.3468



47.6441, 0.2785, 0.2994



47.6441, 0.3298, 0.3121



47.6441, 0.3478, 0.3582

Rectangle

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



47.6441, 0.2953, 0.3468



47.6441, 0.2758, 0.3165



47.6441, 0.3298, 0.3121



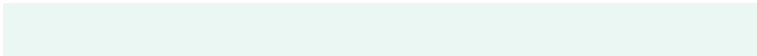
47.6441, 0.3511, 0.3395

Sweetspot

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



47.6461, 0.2953, 0.3468



90.8428, 0.3077, 0.3337



48.2486, 0.3212, 0.3752



19.8751, 0.3070, 0.3344



97.7402, 0.3127, 0.3290



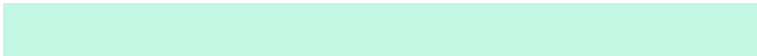
20.4902, 0.3127, 0.3290

Same Dimension

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



47.6461, 0.2953, 0.3468



83.9638, 0.2920, 0.3507



46.4867, 0.2860, 0.3236



10.7459, 0.3035, 0.3379



25.3616, 0.2606, 0.4580



1.0058, 0.2509, 0.4234

Inverse Universe

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



38.0921, 0.3341, 0.3119



63.9719, 0.3393, 0.3083



38.9879, 0.3457, 0.3344



9.5952, 0.3230, 0.3202



7.6111, 0.5418, 0.2759



0.3110, 0.4770, 0.2402

Previews

White Background



This preview shows how the Yxy color 47.6441, 0.2953, 0.3468 looks on a white background.

Color Contrast Check

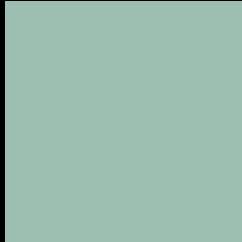
Large Text (above 18pt) WCAG AA × Fail

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 47.6441, 0.2953, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

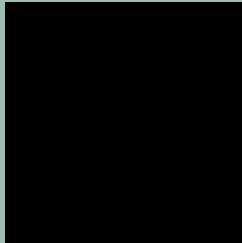
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

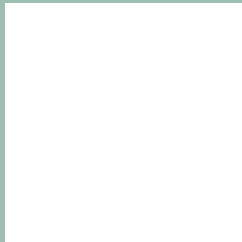
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6441, 0.2953, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 47.6441, 0.2953, 0.3468.

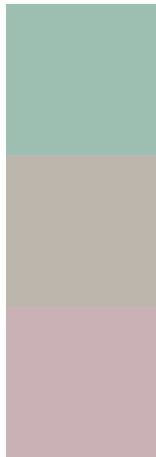


This preview shows how white text looks on a background with the Yxy color 47.6441, 0.2953, 0.3468.

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

47.6441, 0.2953, 0.3468

Protanopia

47.2918, 0.3260, 0.3407

Deuteranopia

47.3370, 0.3315, 0.3241



Tritanopia

47.3820, 0.2814, 0.3092

Trichromacy



Original Color

47.6441, 0.2953, 0.3468

Protanomaly

47.1402, 0.3138, 0.3422

Deuteranomaly

47.1903, 0.3177, 0.3316

Tritanomaly

47.2903, 0.2869, 0.3222

Monochromacy



Original Color

47.6441, 0.2953, 0.3468

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7796, 0.3058, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6441, 0.2953, 0.3468 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(157, 191, 178)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 178)  
}
```

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(157, 191, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 178) }
```

Border

The CSS property to change the border of an element to Yxy 47.6441, 0.2953, 0.3468 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(157, 191, 178) }
```

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

```
.border{ border-color:rgb(157, 191, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 191, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 191, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 191, 178);  
box-shadow:4px 4px 4px 4px rgb(157, 191,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6441, 0.2953, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 178) }
```

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

```
.background{ background-color: rgb(157,  
191, 178) }
```

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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