

Converting Colors

$Y_{xy}(47.2209, 0.3025, 0.3453)$

Have a look what the booklet for
Yxy(47.2209, 0.3025, 0.3453)
contains.

Yxy(47.1004, 0.3030, 0.3452)	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(47.1004, 0.3030, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	A5BCB0
RGB	165, 188, 176
RGB Percent	65%, 74%, 69%
CMY	0.3528, 0.2628, 0.3097
CMYK	0.12, 0.00, 0.06, 0.26
HSL	149°, 15%, 69%
HSV	149°, 12%, 74%
XYZ	41.3425, 47.1004, 48.0009
YIQ	179.7550, -9.8560, -8.6080

Conversions

Conversions Part 2

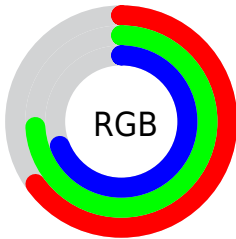
Format	Color
RYB	165, 181, 188
Decimal	10861744
CIELab	74.25, -10.19, 3.39
CIELCh	74, 10.736, 161.569
Yxy	47.1004, 0.3030, 0.3452
Android (android.graphics.Color)	4289051824 (0xFFA5BCB0)
YUV	179.7550, -1.8512, -12.9401
Hunter-Lab	68.6297, -12.5738, 6.5723

Details

The Yxy color **47.1004, 0.3030, 0.3452** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7838, 0.3237, 0.3133**, and the grayscale version is **45.5216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7432, 0.3045, 0.3416**, and **22.2939, 0.2997, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **44.8581, 0.2953, 0.3602**, and if you desaturate by 10%, it is **49.6709, 0.3109, 0.3318**.

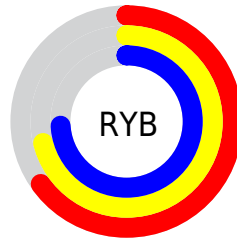
Distribution



Red (65%)

Green (74%)

Blue (69%)



Red (65%)

Yellow (71%)

Blue (74%)

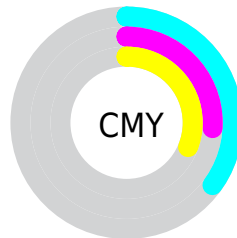


Cyan (12%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (35%)


Magenta (26%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1004, 0.3030, 0.3452 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 47.1004, 0.3030, 0.3452 by changing the saturation by 10% instead.


 47.1004, 0.3030,
0.3452


 47.1004, 0.3030,
0.3452


375.2151, 0.3079,
0.3370

 33.1150, 0.3018,
0.3473


 85.8635, 0.3048,
0.3422

 22.2146, 0.3002,
0.3499


 111.4100, 0.3055,
0.3411

 14.0147, 0.2980,
0.3535

141.5789, 0.3060,
0.3402

 8.1309, 0.2950,
0.3586

176.7548, 0.3065,
0.3393

 4.1788, 0.2904,
0.3664

217.3220, 0.3069,
0.3386

 1.7741, 0.2827,
0.3796

263.6648, 0.3073,

 0.4709, 0.2105,

0.3380

0.4982

316.1678, 0.3076,
0.3375

0.0000, 0.0000,
0.0000

47.1004, 0.3030,
0.3452

47.1004, 0.3030,
0.3452

44.8581, 0.2953,
0.3602

49.6709, 0.3109,
0.3318

42.9248, 0.2881,
0.3766

52.5765, 0.3189,
0.3198

41.2878, 0.2817,
0.3946

55.8309, 0.3268,
0.3093

39.9316, 0.2765,
0.4137

59.4457, 0.3345,
0.3000

38.8392, 0.2726,
0.4336

62.6608, 0.3387,
0.2915

■ 37.9915, 0.2705,
0.4540

■ 63.2108, 0.3310,
0.2820

■ 37.3667, 0.2703,
0.4742

■ 63.7919, 0.3235,
0.2728

■ 36.9390, 0.2721,
0.4936

■ 64.4047, 0.3162,
0.2639

■ 36.7039, 0.2744,
0.5079

■ 64.4447, 0.3158,
0.2634

Harmonies

Analogous

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



47.1004, 0.3180, 0.3536



47.1004, 0.3030, 0.3452



47.1004, 0.2908, 0.3322

Triad

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



47.1004, 0.3030, 0.3452



47.1004, 0.2936, 0.3038



47.1004, 0.3418, 0.3382

Complementary

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



47.1004, 0.3030, 0.3452



40.7838, 0.3237, 0.3133

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.



47.1004, 0.3350, 0.3253



47.1004, 0.3030, 0.3452



47.1004, 0.3069, 0.3058

Square

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



47.1004, 0.3030, 0.3452



47.1004, 0.2855, 0.3084



47.1004, 0.3221, 0.3136



47.1004, 0.3406, 0.3491

Rectangle

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



47.1004, 0.3030, 0.3452



47.1004, 0.2858, 0.3230



47.1004, 0.3221, 0.3136



47.1004, 0.3404, 0.3340

Sweetspot

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



47.1024, 0.3030, 0.3452



89.1208, 0.3095, 0.3341



48.0618, 0.3215, 0.3596



19.0867, 0.3089, 0.3351



95.5105, 0.3127, 0.3290



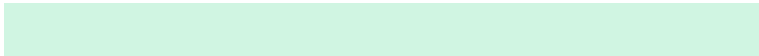
19.5994, 0.3127, 0.3290

Same Dimension

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



47.1024, 0.3030, 0.3452



84.0783, 0.3006, 0.3496



47.5644, 0.2948, 0.3300



10.7237, 0.3053, 0.3412



25.0060, 0.2738, 0.5057



0.9927, 0.2612, 0.4602

Inverse Universe

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



40.7838, 0.3237, 0.3133



70.0849, 0.3268, 0.3093



40.3553, 0.3338, 0.3280



9.6171, 0.3209, 0.3171



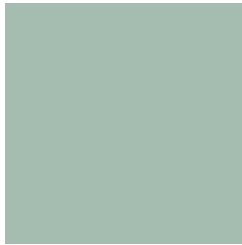
7.8940, 0.4847, 0.2444



0.3224, 0.4353, 0.2171

Previews

White Background



This preview shows how the Yxy color 47.1004, 0.3030, 0.3452 looks on a white background.

Color Contrast Check

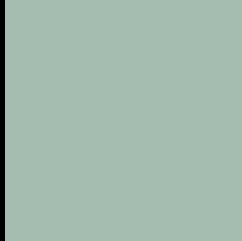
Large Text (above 18pt) WCAG AA × Fail

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 47.1004, 0.3030, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

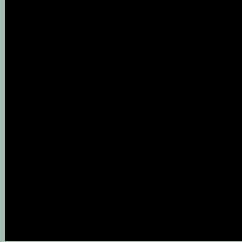
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

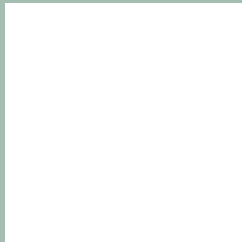
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1004, 0.3030, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 47.1004, 0.3030, 0.3452.



This preview shows how white text looks on a background with the Yxy color 47.1004, 0.3030, 0.3452.

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

47.1004, 0.3030, 0.3452

Protanopia

47.1258, 0.3259, 0.3420

Deuteranopia

46.6825, 0.3333, 0.3266



Tritanopia

47.2565, 0.2894, 0.3107

Trichromacy



Original Color

47.1004, 0.3030, 0.3452

Protanomaly

47.0014, 0.3180, 0.3435

Deuteranomaly

46.5082, 0.3221, 0.3329

Tritanomaly

47.2042, 0.2944, 0.3223

Monochromacy



Original Color

47.1004, 0.3030, 0.3452

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2356, 0.3091, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1004, 0.3030, 0.3452 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(165, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(165, 188, 176)  
}
```

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(165, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 188, 176) }
```

Border

The CSS property to change the border of an element to Yxy 47.1004, 0.3030, 0.3452 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(165, 188, 176) }
```

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

```
.border{ border-color:rgb(165, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 188, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 188, 176); box-shadow:4px 4px 4px 4px rgb(165, 188, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1004, 0.3030, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 188, 176) }
```

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

```
.background{ background-color: rgb(165,  
188, 176) }
```

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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