

Converting Colors

$Y_{xy}(45.2561, 0.2870, 0.3221)$

Have a look what the booklet for
Yxy(45.2561, 0.2870, 0.3221)
contains.

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Color

Yxy(45.1232, 0.2872, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8BD
RGB	157, 184, 189
RGB Percent	62%, 72%, 74%
CMY	0.3842, 0.2784, 0.2588
CMYK	0.17, 0.03, 0.00, 0.26
HSL	189°, 20%, 68%
HSV	189°, 17%, 74%
XYZ	40.2340, 45.1232, 54.7334
YIQ	176.4970, -17.6970, -4.1690

Conversions

Conversions Part 2

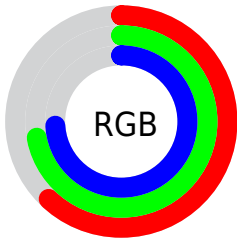
Format	Color
RYB	157, 172, 189
Decimal	10336445
CIELab	72.97, -8.08, -5.62
CIELCh	73, 9.844, 214.827
Yxy	45.1232, 0.2872, 0.3221
Android (android.graphics.Color)	4288526525 (0xFF9DB8BD)
YUV	176.4970, 6.1640, -17.0989
Hunter-Lab	67.1738, -10.6408, -1.2880

Details

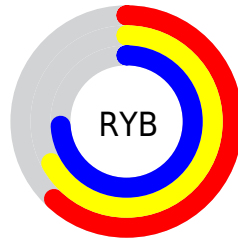
The Yxy color **45.1232, 0.2872, 0.3221** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.1056, 0.3435, 0.3358**, and the grayscale version is **43.6663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9098, 0.2920, 0.3237**, and **21.0134, 0.2795, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **42.1523, 0.2729, 0.3175**, and if you desaturate by 10%, it is **48.4176, 0.3022, 0.3263**.

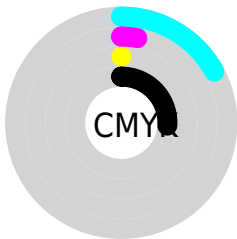
Distribution



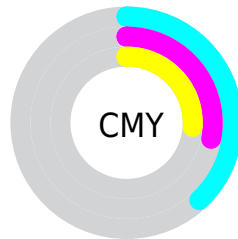
- Red (62%)
- Green (72%)
- Blue (74%)



- Red (62%)
- Yellow (67%)
- Blue (74%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (26%)





- Cyan (38%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1232, 0.2872, 0.3221 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 45.1232, 0.2872, 0.3221 by changing the saturation by 10% instead.


 45.1232, 0.2872,
0.3221

 45.1232, 0.2872,
0.3221


367.2723, 0.2999,
0.3257

 31.5545, 0.2840,
0.3212


 82.9053, 0.2918,
0.3234

 21.0214, 0.2800,
0.3199


 107.8874, 0.2936,
0.3239

 13.1397, 0.2745,
0.3182


137.4428, 0.2950,
0.3243

 7.5248, 0.2670,
0.3158

171.9558, 0.2963,
0.3247

 3.7924, 0.2558,
0.3120

211.8109, 0.2974,
0.3250

 1.5581, 0.2373,
0.3052

257.3924, 0.2983,

 0.3291, 0.0966,

0.3253

0.2752

309.0847, 0.2992,
0.3255

0.0000, 0.0000,
0.0000

45.1232, 0.2872,
0.3221

45.1232, 0.2872,
0.3221

42.1523, 0.2729,
0.3175

48.4176, 0.3022,
0.3263

39.4858, 0.2594,
0.3127

52.0426, 0.3174,
0.3301

37.1107, 0.2472,
0.3075

56.0122, 0.3328,
0.3336

35.0111, 0.2365,
0.3022

60.3378, 0.3480,
0.3367

33.1693, 0.2275,
0.2967

65.0301, 0.3629,
0.3394

■ 31.5655, 0.2203,
0.2911

■ 67.0552, 0.3650,
0.3424

■ 30.1763, 0.2151,
0.2856

■ 68.4543, 0.3642,
0.3454

■ 28.9702, 0.2116,
0.2801

■ 69.8800, 0.3635,
0.3484

■ 28.6168, 0.2107,
0.2784

■ 71.3327, 0.3627,
0.3514

Harmonies

Analogous

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



45.1232, 0.2945, 0.3349



45.1232, 0.2872, 0.3221



45.1232, 0.2866, 0.3116

Triad

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



45.1232, 0.2872, 0.3221



45.1232, 0.3183, 0.3126



45.1232, 0.3328, 0.3524

Complementary

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



45.1232, 0.2872, 0.3221



39.1056, 0.3435, 0.3358

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.



45.1232, 0.3396, 0.3458



45.1232, 0.2872, 0.3221



45.1232, 0.3311, 0.3229

Square

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



45.1232, 0.2872, 0.3221



45.1232, 0.3043, 0.3065



45.1232, 0.3389, 0.3350



45.1232, 0.3207, 0.3527

Rectangle

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



45.1232, 0.2872, 0.3221



45.1232, 0.2900, 0.3072



45.1232, 0.3389, 0.3350



45.1232, 0.3358, 0.3509

Sweetspot

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



45.1251, 0.2872, 0.3221



87.8621, 0.3050, 0.3270



46.1690, 0.3070, 0.3671



18.7995, 0.3039, 0.3268



95.5105, 0.3127, 0.3290



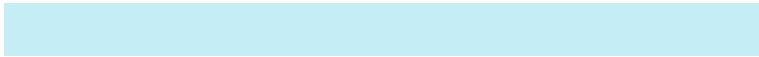
19.5994, 0.3127, 0.3290

Same Dimension

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



45.1251, 0.2872, 0.3221



78.9431, 0.2822, 0.3206



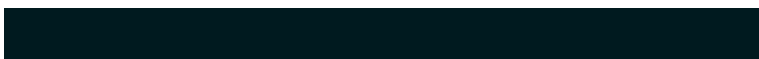
38.9308, 0.2862, 0.3000



10.5483, 0.2985, 0.3253



19.3456, 0.2109, 0.2791



0.8273, 0.2145, 0.2922

Inverse Universe

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



38.4026, 0.3191, 0.2939



64.9067, 0.3206, 0.2867



45.0196, 0.3401, 0.3564



9.6699, 0.3161, 0.3099



8.9826, 0.3643, 0.1781



0.3589, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 45.1232, 0.2872, 0.3221 looks on a white background.

Color Contrast Check

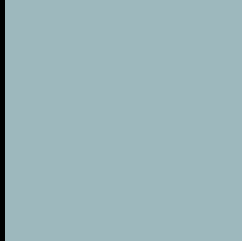
Large Text (above 18pt) WCAG AA × Fail

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 45.1232, 0.2872, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

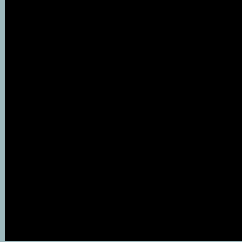
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

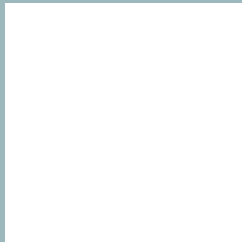
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1232, 0.2872, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 45.1232, 0.2872, 0.3221.



This preview shows how white text looks on a background with the Yxy color 45.1232, 0.2872, 0.3221.

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

45.1232, 0.2872, 0.3221

Protanopia

45.0469, 0.3088, 0.3198

Deuteranopia

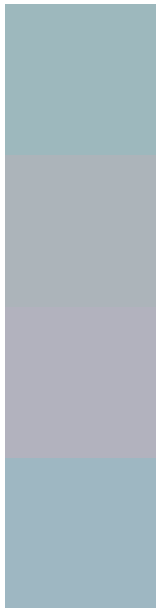
44.9808, 0.3129, 0.3074



Tritanopia

45.2691, 0.2830, 0.3101

Trichromacy



Original Color

45.1232, 0.2872, 0.3221

Protanomaly

44.9583, 0.3013, 0.3210

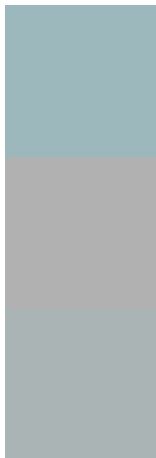
Deuteranomaly

45.0235, 0.3032, 0.3133

Tritanomaly

45.0311, 0.2844, 0.3141

Monochromacy



Original Color

45.1232, 0.2872, 0.3221

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5248, 0.3035, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1232, 0.2872, 0.3221 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, 184, 189)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 189)  
}
```

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, 184, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 189) }
```

Border

The CSS property to change the border of an element to Yxy 45.1232, 0.2872, 0.3221 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, 184, 189) }
```

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

```
.border{ border-color:rgb(157, 184, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 184, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 184, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 184, 189);  
box-shadow:4px 4px 4px 4px rgb(157, 184,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1232, 0.2872, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 189) }
```

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

```
.background{ background-color: rgb(157,  
184, 189) }
```

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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