

Converting Colors

$Y_{xy}(72.0200, 0.2926, 0.3560)$

Have a look what the booklet for
Yxy(72.0200, 0.2926, 0.3560)
contains.

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Color

Yxy(72.0200, 0.2926, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	B4E8D1
RGB	180, 232, 209
RGB Percent	71%, 91%, 82%
CMY	0.2939, 0.0902, 0.1805
CMYK	0.22, 0.00, 0.10, 0.09
HSL	153°, 53%, 81%
HSV	153°, 22%, 91%
XYZ	59.1940, 72.0200, 71.0894
YIQ	213.8300, -23.6090, -18.1770

Conversions

Conversions Part 2

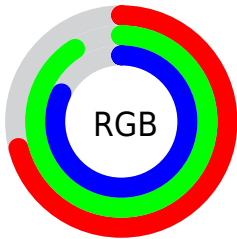
Format	Color
RYB	180, 213, 232
Decimal	11856081
CIELab	87.98, -21.19, 5.77
CIELCh	88, 21.964, 164.775
Yxy	72.0200, 0.2926, 0.3560
Android (android.graphics.Color)	4290046161 (0xFFB4E8D1)
YUV	213.8300, -2.3812, -29.6689
Hunter-Lab	84.8646, -24.0074, 9.7392

Details

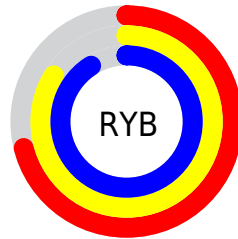
The Yxy color **72.0200, 0.2926, 0.3560** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.1331, 0.3387, 0.3035**, and the grayscale version is **67.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.8528, 0.2872, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **68.9739, 0.2844, 0.3701**, and if you desaturate by 10%, it is **75.5710, 0.3014, 0.3431**.

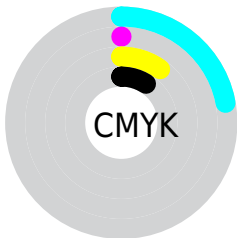
Distribution



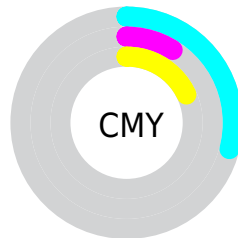
- Red (71%)
- Green (91%)
- Blue (82%)



- Red (71%)
- Yellow (84%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0200, 0.2926, 0.3560 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 72.0200, 0.2926, 0.3560 by changing the saturation by 10% instead.

 72.0200, 0.2926,
0.3560

 72.0200, 0.2926,
0.3560


467.6112, 0.3020,
0.3432

 53.1750, 0.2904,
0.3590

 122.0850, 0.2959,
0.3515

 37.9425, 0.2877,
0.3627

154.0737, 0.2972,
0.3498

 25.9381, 0.2842,
0.3675


191.2126, 0.2983,
0.3483

 16.7773, 0.2796,
0.3739

233.8858, 0.2992,
0.3470

 10.0758, 0.2732,
0.3828

282.4779, 0.3001,
0.3459

 5.4493, 0.2638,
0.3961

337.3733, 0.3008,

 2.5132, 0.2486,

0.3449

0.4180

398.9562, 0.3015,
0.3440

0.8832, 0.1826,
0.5008

0.0000, 0.0000,
0.0000

72.0200, 0.2926,
0.3560

72.0200, 0.2926,
0.3560

68.9739, 0.2844,
0.3701

75.5710, 0.3014,
0.3431

66.4000, 0.2772,
0.3854

79.6400, 0.3105,
0.3316

64.2753, 0.2712,
0.4018

84.2509, 0.3198,
0.3213

62.5716, 0.2668,
0.4188

85.8793, 0.3168,
0.3115

■ 61.2573, 0.2643,
0.4363

■ 86.1911, 0.3138,
0.3068

■ 60.2958, 0.2638,
0.4538

■ 59.6433, 0.2654,
0.4708

■ 59.3016, 0.2676,
0.4833

Harmonies

Analogous

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



72.0200, 0.3187, 0.3726



72.0200, 0.2926, 0.3560



72.0200, 0.2725, 0.3316

Triad

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



72.0200, 0.2926, 0.3560



72.0200, 0.2811, 0.2849



72.0200, 0.3652, 0.3468

Complementary

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



72.0200, 0.2926, 0.3560



54.1331, 0.3387, 0.3035

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.



72.0200, 0.3543, 0.3245



72.0200, 0.2926, 0.3560



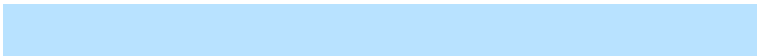
72.0200, 0.3050, 0.2898

Square

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



72.0200, 0.2926, 0.3560



72.0200, 0.2660, 0.2910



72.0200, 0.3319, 0.3040



72.0200, 0.3612, 0.3657

Rectangle

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



72.0200, 0.2926, 0.3560



72.0200, 0.2648, 0.3151



72.0200, 0.3319, 0.3040



72.0200, 0.3632, 0.3394

Sweetspot

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



72.0230, 0.2926, 0.3560



96.2714, 0.3062, 0.3368



73.7649, 0.3258, 0.3887



20.5405, 0.3057, 0.3375



0.0000, 0.0000, 0.0000



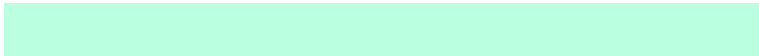
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0230, 0.2926, 0.3560



87.3866, 0.2886, 0.3626



71.7950, 0.2793, 0.3259



16.2229, 0.3040, 0.3396



32.9489, 0.2669, 0.4807



2.4534, 0.2601, 0.4564

Inverse Universe

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



54.1331, 0.3387, 0.3035



61.4329, 0.3457, 0.2979



54.1744, 0.3579, 0.3321



14.4736, 0.3223, 0.3186



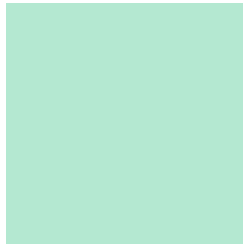
10.0900, 0.5194, 0.2635



0.7641, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 72.0200, 0.2926, 0.3560 looks on a white background.

Color Contrast Check

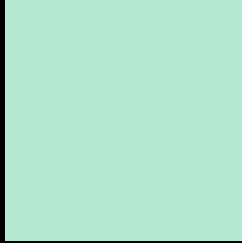
Large Text (above 18pt) WCAG AA × Fail

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 72.0200, 0.2926, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

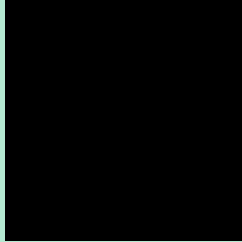
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

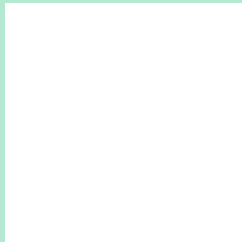
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0200, 0.2926, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 72.0200, 0.2926, 0.3560.

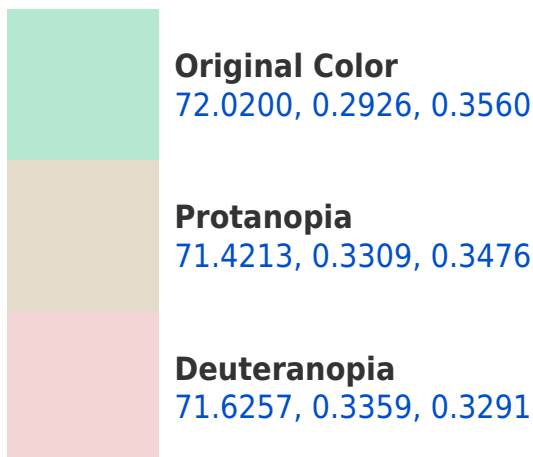


This preview shows how white text looks on a background with the Yxy color 72.0200, 0.2926, 0.3560.

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





Tritanopia

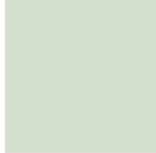
72.0955, 0.2761, 0.3088

Trichromacy



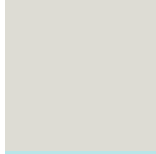
Original Color

72.0200, 0.2926, 0.3560



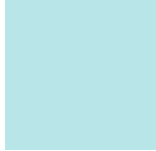
Protanomaly

71.5680, 0.3159, 0.3503



Deuteranomaly

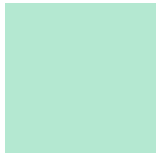
71.3120, 0.3188, 0.3378



Tritanomaly

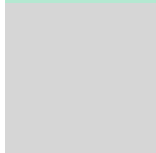
72.0552, 0.2817, 0.3255

Monochromacy



Original Color

72.0200, 0.2926, 0.3560



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.0229, 0.3052, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0200, 0.2926, 0.3560 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(180, 232, 209)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 209)  
}
```

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(180, 232, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 209) }
```

Border

The CSS property to change the border of an element to Yxy 72.0200, 0.2926, 0.3560 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(180, 232, 209) }
```

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

```
.border{ border-color:rgb(180, 232, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 232, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0200, 0.2926, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 209) }
```

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

```
.background{ background-color: rgb(180,  
232, 209) }
```

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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