

Converting Colors

$Y_{xy}(80.0218, 0.3602, 0.4326)$

Have a look what the booklet for
Yxy(80.0218, 0.3602, 0.4326)
contains.

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Color

Yxy(80.0218, 0.3602, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	DFF090
RGB	223, 240, 144
RGB Percent	87%, 94%, 56%
CMY	0.1254, 0.0588, 0.4352
CMYK	0.07, 0.00, 0.40, 0.06
HSL	71°, 76%, 75%
HSV	71°, 40%, 94%
XYZ	66.6293, 80.0218, 38.3276
YIQ	223.9730, 20.6840, -33.4600

Conversions

Conversions Part 2

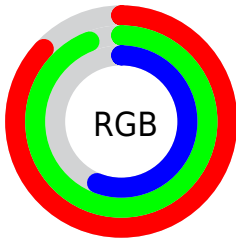
Format	Color
RYB	144, 240, 161
Decimal	14676112
CIELab	91.69, -20.03, 44.47
CIElCh	92, 48.771, 114.255
Yxy	80.0218, 0.3602, 0.4326
Android (android.graphics.Color)	4292866192 (0xFFDFF090)
YUV	223.9730, -39.4267, -0.8533
Hunter-Lab	89.4549, -23.5926, 37.2152

Details

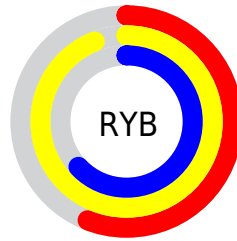
The Yxy color **80.0218, 0.3602, 0.4326** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.8233, 0.2509, 0.2100**, and the grayscale version is **74.8015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **43.1607, 0.3679, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **78.7012, 0.3703, 0.4575**, and if you desaturate by 10%, it is **81.5225, 0.3489, 0.4064**.

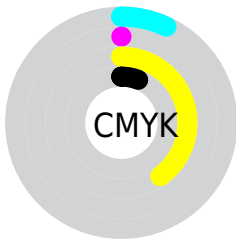
Distribution



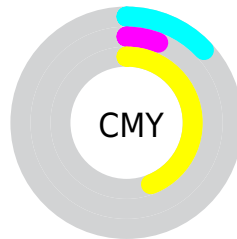
- Red (87%)
- Green (94%)
- Blue (56%)



- Red (56%)
- Yellow (94%)
- Blue (63%)



- Cyan (7%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0218, 0.3602, 0.4326 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 80.0218, 0.3602, 0.4326 by changing the saturation by 10% instead.


 80.0218, 0.3602,
0.4326

 80.0218, 0.3602,
0.4326


495.0063, 0.3403,
0.3845

 59.7363, 0.3641,
0.4434


 133.3964, 0.3538,
0.4160

 43.2061, 0.3686,
0.4566


 167.2542, 0.3511,
0.4095

 30.0469, 0.3736,
0.4729


206.4050, 0.3488,
0.4039

 19.8742, 0.3790,
0.4936

251.2331, 0.3467,
0.3990

 12.3036, 0.3842,
0.5201

302.1229, 0.3448,
0.3947

 6.9508, 0.3880,
0.5552

359.4587, 0.3432,

 3.4313, 0.3904,

0.3909

0.6096

423.6251, 0.3416,
0.3875

■ 1.3609, 0.3527,
0.6473

■ 0.1876, 0.0000,
1.0000

■ 80.0218, 0.3602,
0.4326

■ 80.0218, 0.3602,
0.4326

■ 78.7012, 0.3703,
0.4575

■ 81.5225, 0.3489,
0.4064

■ 77.5399, 0.3786,
0.4801


■ 83.2018, 0.3369,
0.3798

■ 76.5301, 0.3847,
0.4992


■ 85.0717, 0.3247,
0.3538


■ 75.6591, 0.3883,
0.5140


■ 87.1403, 0.3127,
0.3290

 74.9116, 0.3892,
0.5241


 88.8200, 0.3065,
0.3143

 74.2619, 0.3879,
0.5302

 89.5899, 0.3092,
0.3144

 74.2613, 0.3879,
0.5302

 90.3774, 0.3119,
0.3145

 90.8013, 0.3134,
0.3146

Harmonies

Analogous

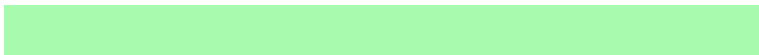
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0218, 0.4053, 0.4133



80.0218, 0.3602, 0.4326



80.0218, 0.3046, 0.4188

Triad

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



80.0218, 0.3602, 0.4326



80.0218, 0.2107, 0.2681



80.0218, 0.3704, 0.2892

Complementary

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



80.0218, 0.3602, 0.4326



33.8233, 0.2509, 0.2100

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.



80.0218, 0.3127, 0.2573



80.0218, 0.3602, 0.4326



80.0218, 0.2243, 0.2436

Square

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



80.0218, 0.3602, 0.4326



80.0218, 0.2207, 0.3141



80.0218, 0.2598, 0.2408



80.0218, 0.4136, 0.3307

Rectangle

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



80.0218, 0.3602, 0.4326



80.0218, 0.2694, 0.3902



80.0218, 0.2598, 0.2408



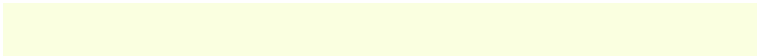
80.0218, 0.3517, 0.2772

Sweetspot

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



80.0254, 0.3602, 0.4326



97.1706, 0.3272, 0.3591



45.6882, 0.4068, 0.3471



20.7369, 0.3288, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

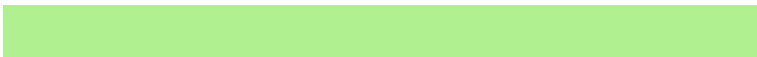
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0254, 0.3602, 0.4326



90.5820, 0.3686, 0.4531



73.5676, 0.3271, 0.4447



18.3093, 0.3241, 0.3525



40.7037, 0.3884, 0.5298



3.4228, 0.3927, 0.5264

Inverse Universe

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



33.8233, 0.2509, 0.2100



30.7821, 0.2353, 0.1821



39.6560, 0.2894, 0.2219



15.3632, 0.3007, 0.3048



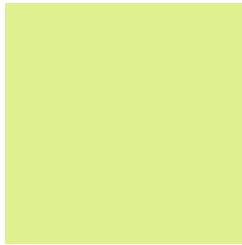
3.7591, 0.1580, 0.0644



0.3506, 0.1692, 0.0706

Previews

White Background



This preview shows how the Yxy color 80.0218, 0.3602, 0.4326 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 80.0218, 0.3602, 0.4326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

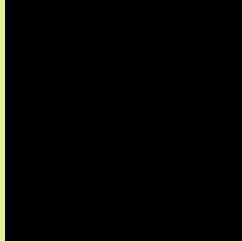
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0218, 0.3602, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 80.0218, 0.3602, 0.4326.

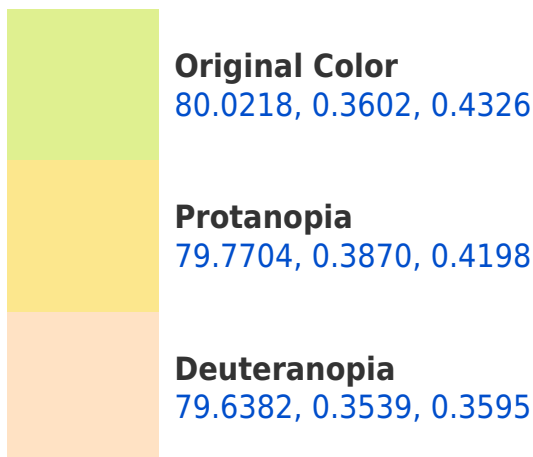


This preview shows how white text looks on a background with the Yxy color 80.0218, 0.3602, 0.4326.

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

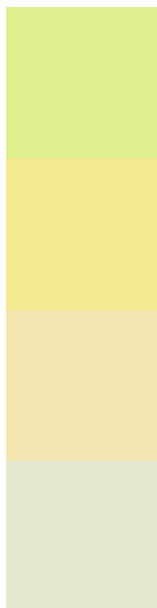




Tritanopia

79.9735, 0.3068, 0.3107

Trichromacy



Original Color

80.0218, 0.3602, 0.4326

Protanomaly

79.4994, 0.3768, 0.4245

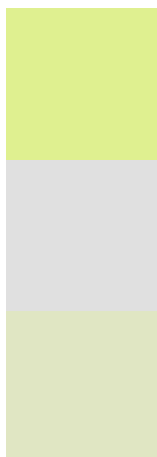
Deuteranomaly

79.3808, 0.3568, 0.3855

Tritanomaly

79.3056, 0.3268, 0.3534

Monochromacy



Original Color

80.0218, 0.3602, 0.4326

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.3811, 0.3312, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0218, 0.3602, 0.4326 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(223, 240, 144)` looks like.

```
.text, #text, p{  
    color:rgb(223, 240, 144)  
}
```

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(223, 240, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 240, 144) }
```

Border

The CSS property to change the border of an element to Yxy 80.0218, 0.3602, 0.4326 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(223, 240, 144) }
```

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

```
.border{ border-color:rgb(223, 240, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 240, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 240, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 240, 144); box-shadow:4px 4px 4px 4px rgb(223, 240, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0218, 0.3602, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 240, 144) }
```

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

```
.background{ background-color: rgb(223,  
240, 144) }
```

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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