

Converting Colors

$Yxy(80.2026, 0.3296, 0.3753)$

Have a look what the booklet for
Yxy(80.2026, 0.3296, 0.3753)
contains.

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Color

Yxy(80.1514, 0.3301, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	DFEDC2
RGB	223, 237, 194
RGB Percent	87%, 93%, 76%
CMY	0.1257, 0.0705, 0.2392
CMYK	0.06, 0.00, 0.18, 0.07
HSL	80°, 54%, 85%
HSV	80°, 18%, 93%
XYZ	70.4419, 80.1514, 62.8023
YIQ	227.9120, 5.4590, -16.3410

Conversions

Conversions Part 2

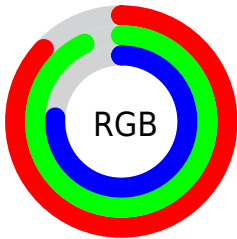
Format	Color
RYB	194, 237, 208
Decimal	14675394
CIELab	91.75, -11.97, 19.30
CIElCh	92, 22.709, 121.810
Yxy	80.1514, 0.3301, 0.3756
Android (android.graphics.Color)	4292865474 (0xFFDFEDC2)
YUV	227.9120, -16.7186, -4.3078
Hunter-Lab	89.5273, -16.2254, 21.0779

Details

The Yxy color **80.1514, 0.3301, 0.3756** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.1259, 0.2930, 0.2809**, and the grayscale version is **77.6338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **43.2660, 0.3344, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **77.9700, 0.3395, 0.4032**, and if you desaturate by 10%, it is **82.5661, 0.3205, 0.3493**.

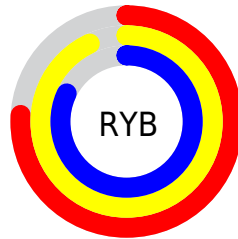
Distribution



Red (87%)

Green (93%)

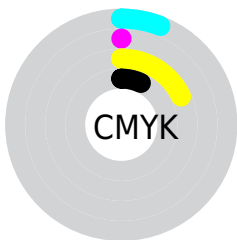
Blue (76%)



Red (76%)

Yellow (93%)

Blue (82%)

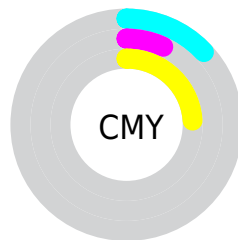


Cyan (6%)

Magenta (0%)

Yellow (18%)

Black (7%)



Cyan (13%)

Magenta (7%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1514, 0.3301, 0.3756 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 80.1514, 0.3301, 0.3756 by changing the saturation by 10% instead.

80.1514, 0.3301,
0.3756

80.1514, 0.3301,
0.3756

495.4429, 0.3225,
0.3540

59.8429, 0.3317,
0.3806

133.5786, 0.3275,
0.3681

43.2921, 0.3337,
0.3867

167.4661, 0.3265,
0.3652

30.1143, 0.3361,
0.3944

206.6487, 0.3256,
0.3626

19.9254, 0.3392,
0.4046

251.5109, 0.3248,
0.3605

12.3408, 0.3430,
0.4183

302.4370, 0.3241,
0.3585

6.9762, 0.3479,
0.4381


359.8115, 0.3235,


3.4472, 0.3540,


0.3568


0.4684


424.0186, 0.3230,
0.3553


 1.3694, 0.3977,
0.5740


 0.1940, 0.0000,
1.0000


 80.1514, 0.3301,
0.3756


 80.1514, 0.3301,
0.3756


 77.9700, 0.3395,
0.4032


 82.5661, 0.3205,
0.3493

 76.0025, 0.3482,
0.4312

 85.2118, 0.3110,
0.3246

 74.2431, 0.3559,
0.4587

 87.4310, 0.3078,
0.3114

 72.6815, 0.3619,
0.4846

 88.8644, 0.3128,
0.3117

■ 71.3063, 0.3658,
0.5075

■ 89.0597, 0.3135,
0.3117

■ 70.1048, 0.3672,
0.5264

■ 69.0618, 0.3661,
0.5403

■ 68.1569, 0.3627,
0.5494

■ 67.9988, 0.3619,
0.5508

Harmonies

Analogous

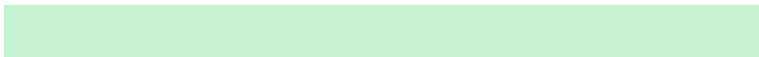
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1514, 0.3527, 0.3728



80.1514, 0.3301, 0.3756



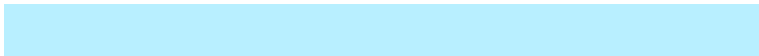
80.1514, 0.3035, 0.3645

Triad

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



80.1514, 0.3301, 0.3756



80.1514, 0.2632, 0.2971



80.1514, 0.3456, 0.3152

Complementary

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



80.1514, 0.3301, 0.3756



58.1259, 0.2930, 0.2809

Split Complementary

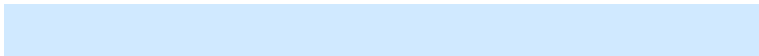
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1514, 0.3204, 0.2970



80.1514, 0.3301, 0.3756



80.1514, 0.2733, 0.2862

Square

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



80.1514, 0.3301, 0.3756



80.1514, 0.2657, 0.3175



80.1514, 0.2939, 0.2865



80.1514, 0.3621, 0.3372

Rectangle

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



80.1514, 0.3301, 0.3756



80.1514, 0.2872, 0.3506



80.1514, 0.2939, 0.2865



80.1514, 0.3378, 0.3085

Sweetspot

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



80.1549, 0.3301, 0.3756



98.4232, 0.3175, 0.3413



66.8351, 0.3454, 0.3438



21.0204, 0.3182, 0.3431



0.0000, 0.0000, 0.0000



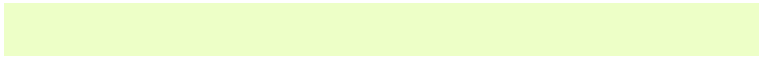
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1549, 0.3301, 0.3756



93.5823, 0.3338, 0.3864



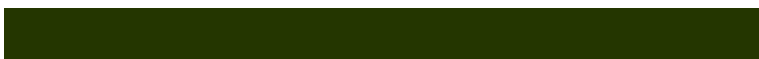
77.0173, 0.3156, 0.3777



17.3657, 0.3218, 0.3526



37.1920, 0.3629, 0.5501



2.9722, 0.3708, 0.5438

Inverse Universe

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



58.1259, 0.2930, 0.2809



62.8117, 0.2880, 0.2694



61.3842, 0.3088, 0.2832



14.7882, 0.3031, 0.3050



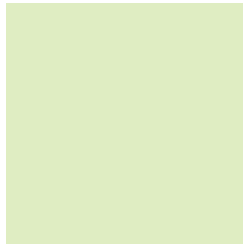
4.2753, 0.1738, 0.0731



0.3862, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 80.1514, 0.3301, 0.3756 looks on a white background.

Color Contrast Check

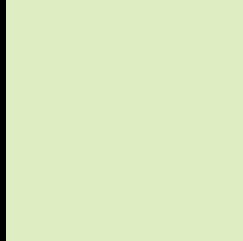
Large Text (above 18pt) WCAG AA × Fail

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 80.1514, 0.3301, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

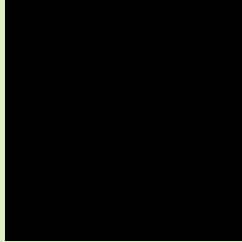
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

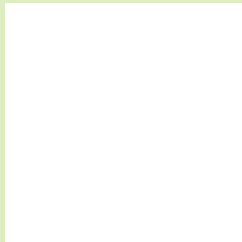
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1514, 0.3301, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 80.1514, 0.3301, 0.3756.



This preview shows how white text looks on a background with the Yxy color 80.1514, 0.3301, 0.3756.

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

80.1514, 0.3301, 0.3756

Protanopia

80.1465, 0.3482, 0.3707

Deuteranopia

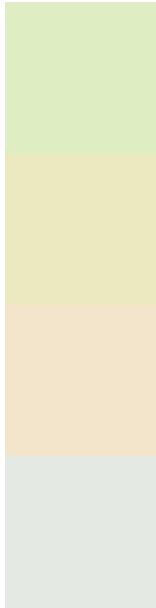
79.7139, 0.3451, 0.3452



Tritanopia

80.3599, 0.3022, 0.3106

Trichromacy



Original Color

80.1514, 0.3301, 0.3756

Protanomaly

79.9165, 0.3413, 0.3724

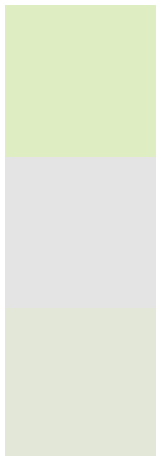
Deuteranomaly

79.4529, 0.3391, 0.3550

Tritanomaly

80.3732, 0.3125, 0.3342

Monochromacy



Original Color

80.1514, 0.3301, 0.3756

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.2784, 0.3188, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1514, 0.3301, 0.3756 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, 237, 194)` looks like.

```
.text, #text, p{  
    color:rgb(223, 237, 194)  
}
```

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, 237, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 194) }
```

Border

The CSS property to change the border of an element to Yxy 80.1514, 0.3301, 0.3756 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, 237, 194) }
```

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

```
.border{ border-color:rgb(223, 237, 194) }
```

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

Here you see how a box with a 4 pixel rgb(223, 237, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 237, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 237, 194);  
box-shadow:4px 4px 4px 4px rgb(223, 237,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1514, 0.3301, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 194) }
```

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

```
.background{ background-color: rgb(223,  
237, 194) }
```

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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