

Converting Colors

$Yxy(78.0889, 0.3294, 0.3641)$

Have a look what the booklet for
Yxy(78.0889, 0.3294, 0.3641)
contains.

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Color

Yxy(78.0521, 0.3291, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	E2E8C8
RGB	226, 232, 200
RGB Percent	89%, 91%, 78%
CMY	0.1137, 0.0902, 0.2158
CMYK	0.03, 0.00, 0.14, 0.09
HSL	71°, 41%, 85%
HSV	71°, 14%, 91%
XYZ	70.6462, 78.0521, 65.9665
YIQ	226.5580, 6.6960, -11.2240

Conversions

Conversions Part 2

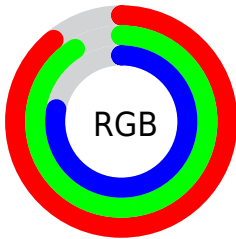
Format	Color
RYB	200, 232, 206
Decimal	14870728
CIELab	90.80, -7.44, 14.91
CIELCh	91, 16.666, 116.523
Yxy	78.0521, 0.3291, 0.3636
Android (android.graphics.Color)	4293060808 (0xFFE2E8C8)
YUV	226.5580, -13.0931, -0.4894
Hunter-Lab	88.3471, -11.8711, 17.5727

Details

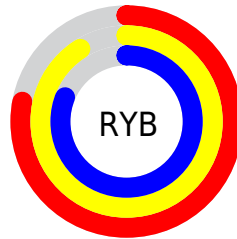
The Yxy color **78.0521, 0.3291, 0.3636** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2375, 0.2949, 0.2929**, and the grayscale version is **76.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7839, 0.3332, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **76.3594, 0.3411, 0.3899**, and if you desaturate by 10%, it is **79.9340, 0.3172, 0.3383**.

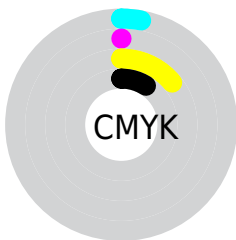
Distribution



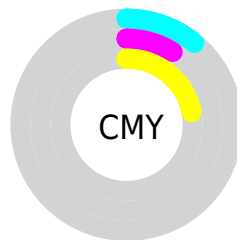
- Red (89%)
- Green (91%)
- Blue (78%)



- Red (78%)
- Yellow (91%)
- Blue (81%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)





- Cyan (11%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0521, 0.3291, 0.3636 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 78.0521, 0.3291, 0.3636 by changing the saturation by 10% instead.


 78.0521, 0.3291,
0.3636

 78.0521, 0.3291,
0.3636


488.3437, 0.3217,
0.3476

 58.1168, 0.3307,
0.3673

130.6236, 0.3266,
0.3580

 41.9025, 0.3327,
0.3718

164.0285, 0.3256,
0.3559

 29.0250, 0.3352,
0.3775

202.6921, 0.3247,
0.3540

 19.0997, 0.3383,
0.3851

246.9987, 0.3240,
0.3524

 11.7424, 0.3425,
0.3953

297.3328, 0.3233,
0.3510

 6.5685, 0.3481,
0.4100

354.0788, 0.3227,

 3.1937, 0.3562,

0.3497

0.4328

417.6209, 0.3222,
0.3486

■ 1.2337, 0.3914,
0.5028

■ 0.0890, 0.0000,
1.0000

■ 78.0521, 0.3291,
0.3636

■ 78.0521, 0.3291,
0.3636

■ 76.3594, 0.3411,
0.3899

■ 79.9340, 0.3172,
0.3383

■ 74.8380, 0.3527,
0.4165

■ 82.0019, 0.3056,
0.3144

■ 73.4834, 0.3634,
0.4424

■ 83.2915, 0.3032,
0.3061

■ 72.2868, 0.3727,
0.4667

■ 84.0558, 0.3060,
0.3063

■ 71.2384, 0.3801,
0.4883

■ 84.8384, 0.3089,
0.3065

■ 70.3274, 0.3850,
0.5061

■ 85.6393, 0.3118,
0.3067

■ 69.5413, 0.3874,
0.5193

■ 86.1957, 0.3138,
0.3068

■ 68.8648, 0.3872,
0.5280

■ 68.4862, 0.3862,
0.5316

Harmonies

Analogous

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



78.0521, 0.3446, 0.3602



78.0521, 0.3291, 0.3636



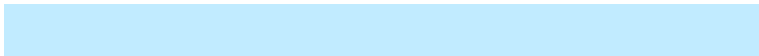
78.0521, 0.3095, 0.3571

Triad

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



78.0521, 0.3291, 0.3636



78.0521, 0.2754, 0.3078



78.0521, 0.3341, 0.3160

Complementary

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



78.0521, 0.3291, 0.3636



60.2375, 0.2949, 0.2929

Split Complementary

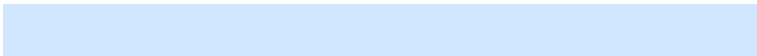
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0521, 0.3150, 0.3031



78.0521, 0.3291, 0.3636



78.0521, 0.2814, 0.2980

Square

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



78.0521, 0.3291, 0.3636



78.0521, 0.2789, 0.3239



78.0521, 0.2957, 0.2965



78.0521, 0.3477, 0.3325

Rectangle

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



78.0521, 0.3291, 0.3636



78.0521, 0.2969, 0.3478



78.0521, 0.2957, 0.2965



78.0521, 0.3281, 0.3112

Sweetspot

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



78.0555, 0.3291, 0.3636



99.0004, 0.3174, 0.3388



65.3925, 0.3373, 0.3355



21.1508, 0.3183, 0.3407



0.0000, 0.0000, 0.0000



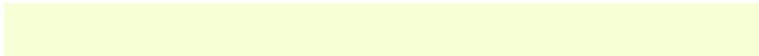
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0555, 0.3291, 0.3636



96.0107, 0.3330, 0.3721



75.6029, 0.3179, 0.3648



16.6739, 0.3239, 0.3524



38.0710, 0.3867, 0.5311



2.8487, 0.3917, 0.5272

Inverse Universe

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



60.2375, 0.2949, 0.2929



69.3098, 0.2902, 0.2835



62.6289, 0.3067, 0.2941



14.0161, 0.3009, 0.3049



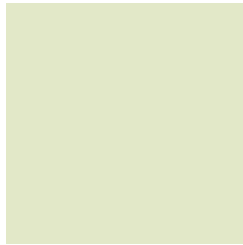
3.5641, 0.1589, 0.0649



0.3006, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 78.0521, 0.3291, 0.3636 looks on a white background.

Color Contrast Check

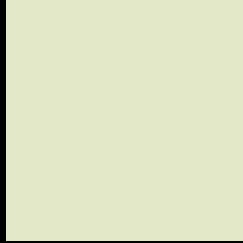
Large Text (above 18pt) WCAG AA × Fail

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 78.0521, 0.3291, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

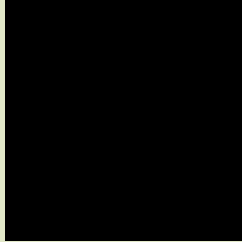
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

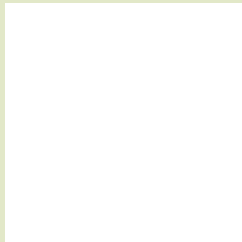
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0521, 0.3291, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 78.0521, 0.3291, 0.3636.

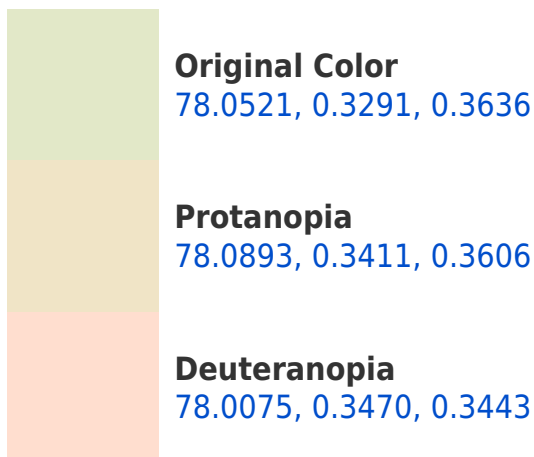


This preview shows how white text looks on a background with the Yxy color 78.0521, 0.3291, 0.3636.

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

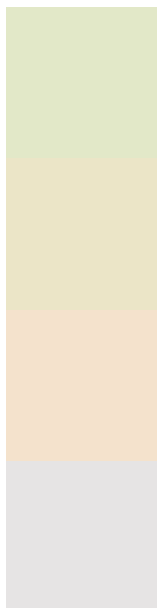




Tritanopia

78.0802, 0.3054, 0.3105

Trichromacy



Original Color

78.0521, 0.3291, 0.3636

Protanomaly

77.8243, 0.3366, 0.3609

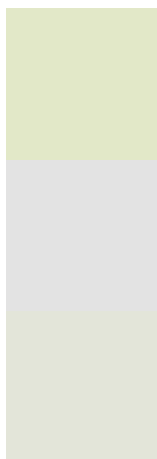
Deuteranomaly

77.9854, 0.3403, 0.3519

Tritanomaly

77.9112, 0.3141, 0.3290

Monochromacy



Original Color

78.0521, 0.3291, 0.3636

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3793, 0.3190, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0521, 0.3291, 0.3636 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(226, 232, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 232, 200)  
}
```

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(226, 232, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 200) }
```

Border

The CSS property to change the border of an element to Yxy 78.0521, 0.3291, 0.3636 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(226, 232, 200) }
```

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

```
.border{ border-color:rgb(226, 232, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 232, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 232, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 232, 200); box-shadow:4px 4px 4px 4px rgb(226, 232, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0521, 0.3291, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 200) }
```

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

```
.background{ background-color: rgb(226,  
232, 200) }
```

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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