

Converting Colors

$Y_{xy}(80.7380, 0.3250, 0.3658)$

Have a look what the booklet for
Yxy(80.7380, 0.3250, 0.3658)
contains.

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Color

Yxy(80.7275, 0.3252, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	E0EDCB
RGB	224, 237, 203
RGB Percent	88%, 93%, 80%
CMY	0.1215, 0.0706, 0.2041
CMYK	0.05, 0.00, 0.14, 0.07
HSL	83°, 49%, 86%
HSV	83°, 14%, 93%
XYZ	71.8068, 80.7275, 68.2739
YIQ	229.2370, 3.1660, -13.3300

Conversions

Conversions Part 2

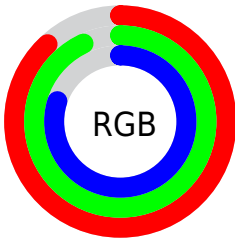
Format	Color
RYB	203, 237, 216
Decimal	14740939
CIELab	92.01, -10.18, 15.04
CIELCh	92, 18.160, 124.080
Yxy	80.7275, 0.3252, 0.3656
Android (android.graphics.Color)	4292931019 (0xFFE0EDCB)
YUV	229.2370, -12.9348, -4.5928
Hunter-Lab	89.8485, -14.5778, 17.8408

Details

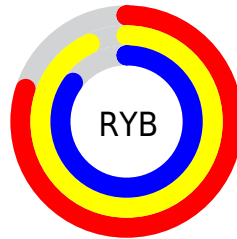
The Yxy color $80.7275, 0.3252, 0.3656$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.3991, 0.2989, 0.2918$, and the grayscale version is $78.6367, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.6527, 0.3280, 0.3737$ is the 20% darker color. If you saturate the color by 10%, you get $78.2808, 0.3338, 0.3931$, and if you desaturate by 10%, it is $83.4307, 0.3165, 0.3397$.

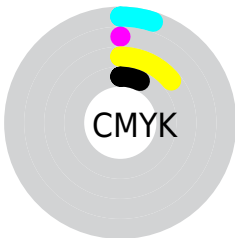
Distribution



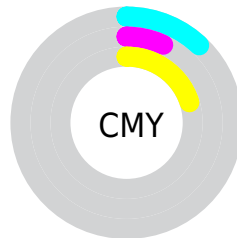
- Red (88%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7275, 0.3252, 0.3656 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 80.7275, 0.3252, 0.3656 by changing the saturation by 10% instead.

80.7275, 0.3252,
0.3656

80.7275, 0.3252,
0.3656

497.3812, 0.3197,
0.3487

60.3172, 0.3264,
0.3695

134.3881, 0.3233,
0.3597

43.6744, 0.3278,
0.3742

168.4071, 0.3226,
0.3574

30.4146, 0.3296,
0.3803

207.7312, 0.3220,
0.3555

20.1535, 0.3318,
0.3882

252.7448, 0.3214,
0.3538

12.5067, 0.3347,
0.3989

303.8321, 0.3209,
0.3523

7.0897, 0.3385,
0.4143

361.3777, 0.3204,

3.5183, 0.3436,

0.3509

425.7660, 0.3200,
0.3497

0.4382

1.4079, 0.3629,
0.4972

0.2226, 0.0000,
1.0000

80.7275, 0.3252,
0.3656

80.7275, 0.3252,
0.3656

78.2808, 0.3338,
0.3931

83.4307, 0.3165,
0.3397

76.0710, 0.3419,
0.4216

86.3882, 0.3079,
0.3157

74.0920, 0.3490,
0.4502

88.3221, 0.3110,
0.3115

72.3333, 0.3548,
0.4777

89.0491, 0.3135,
0.3117

■ 70.7837, 0.3586,
0.5030

■ 69.4304, 0.3601,
0.5245

■ 68.2589, 0.3591,
0.5414

■ 67.2515, 0.3558,
0.5530

■ 66.7415, 0.3532,
0.5578

Harmonies

Analogous

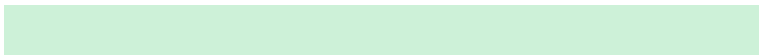
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7275, 0.3436, 0.3645



80.7275, 0.3252, 0.3656



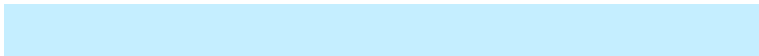
80.7275, 0.3040, 0.3560

Triad

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



80.7275, 0.3252, 0.3656



80.7275, 0.2732, 0.3027



80.7275, 0.3403, 0.3193

Complementary

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



80.7275, 0.3252, 0.3656



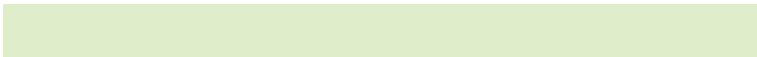
63.3991, 0.2989, 0.2918

Split Complementary

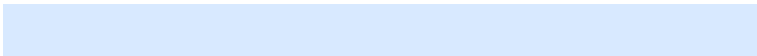
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7275, 0.3206, 0.3041



80.7275, 0.3252, 0.3656



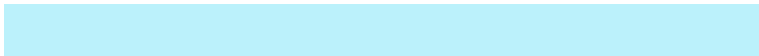
80.7275, 0.2821, 0.2944

Square

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



80.7275, 0.3252, 0.3656



80.7275, 0.2744, 0.3186



80.7275, 0.2993, 0.2951



80.7275, 0.3526, 0.3372

Rectangle

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



80.7275, 0.3252, 0.3656



80.7275, 0.2910, 0.3448



80.7275, 0.2993, 0.2951



80.7275, 0.3343, 0.3137

Sweetspot

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



80.7310, 0.3252, 0.3656



98.6304, 0.3162, 0.3388



71.1425, 0.3375, 0.3424



21.0570, 0.3168, 0.3407



0.0000, 0.0000, 0.0000



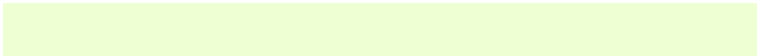
21.4041, 0.3127, 0.3290

Same Dimension

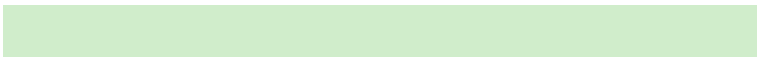
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7310, 0.3252, 0.3656



94.5157, 0.3275, 0.3729



78.2172, 0.3139, 0.3669



17.3237, 0.3209, 0.3527



36.5156, 0.3542, 0.5570



2.9223, 0.3631, 0.5499

Inverse Universe

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



63.3991, 0.2989, 0.2918



70.6544, 0.2959, 0.2842



66.0430, 0.3110, 0.2932



14.8287, 0.3039, 0.3051



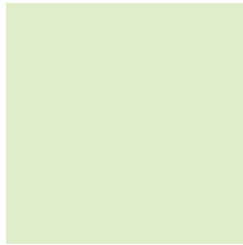
4.6037, 0.1816, 0.0774



0.4152, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 80.7275, 0.3252, 0.3656 looks on a white background.

Color Contrast Check

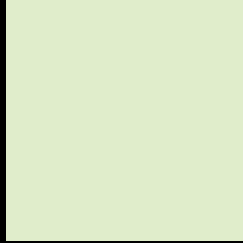
Large Text (above 18pt) WCAG AA × Fail

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 80.7275, 0.3252, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

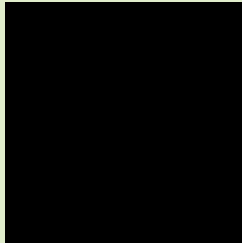
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

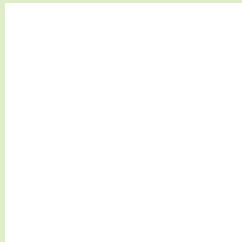
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7275, 0.3252, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 80.7275, 0.3252, 0.3656.

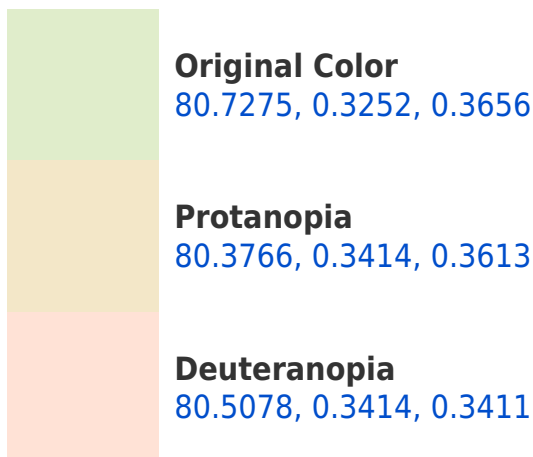


This preview shows how white text looks on a background with the Yxy color 80.7275, 0.3252, 0.3656.

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

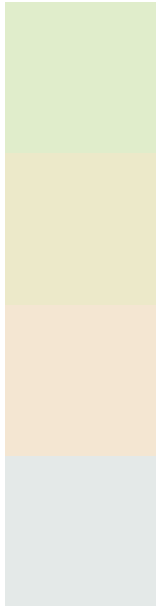




Tritanopia

80.9803, 0.3016, 0.3106

Trichromacy



Original Color

80.7275, 0.3252, 0.3656

Protanomaly

80.3277, 0.3354, 0.3627

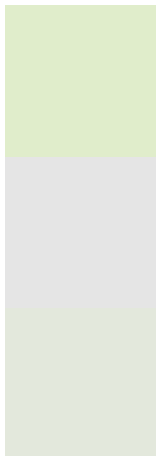
Deuteranomaly

80.4799, 0.3356, 0.3497

Tritanomaly

80.5980, 0.3100, 0.3300

Monochromacy



Original Color

80.7275, 0.3252, 0.3656

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2114, 0.3169, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7275, 0.3252, 0.3656 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(224, 237, 203)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 203)  
}
```

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(224, 237, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 203) }
```

Border

The CSS property to change the border of an element to Yxy 80.7275, 0.3252, 0.3656 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(224, 237, 203) }
```

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

```
.border{ border-color:rgb(224, 237, 203) }
```

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

Here you see how a box with a 4 pixel rgb(224, 237, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 203);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7275, 0.3252, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 203) }
```

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

```
.background{ background-color: rgb(224,  
237, 203) }
```

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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