

Converting Colors

$Yxy(78.6956, 0.3262, 0.3424)$

Have a look what the booklet for
Yxy(78.6956, 0.3262, 0.3424)
contains.

Yxy(78.8294, 0.3260, 0.3426)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.8294, 0.3260, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	ECE5D8
RGB	236, 229, 216
RGB Percent	93%, 90%, 85%
CMY	0.0745, 0.1020, 0.1528
CMYK	0.00, 0.03, 0.08, 0.07
HSL	39°, 34%, 89%
HSV	39°, 8%, 93%
XYZ	75.0099, 78.8294, 76.2524
YIQ	229.6110, 8.3450, -2.5590

Conversions

Conversions Part 2

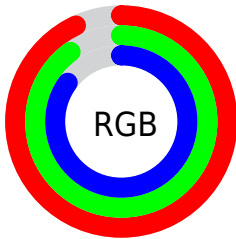
Format	Color
R _Y B	227, 236, 216
Decimal	15525336
CIE Lab	91.16, 0.17, 7.15
CIE LCh	91, 7.148, 88.602
Yxy	78.8294, 0.3260, 0.3426
Android (android.graphics.Color)	4293715416 (0xFFECE5D8)
YUV	229.6110, -6.7102, 5.6032
Hunter-Lab	88.7859, -4.5715, 11.2299

Details

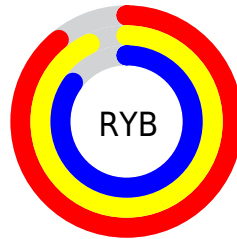
The Yxy color **78.8294, 0.3260, 0.3426** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.4559, 0.2996, 0.3150**, and the grayscale version is **78.8778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5486, 0.3291, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **73.2279, 0.3433, 0.3594**, and if you desaturate by 10%, it is **84.8314, 0.3104, 0.3266**.

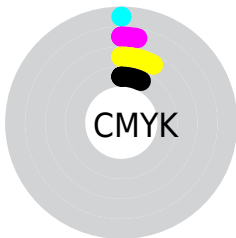
Distribution



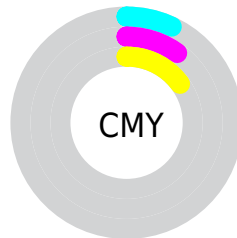
- Red (93%)
- Green (90%)
- Blue (85%)



- Red (89%)
- Yellow (93%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8294, 0.3260, 0.3426 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 78.8294, 0.3260, 0.3426 by changing the saturation by 10% instead.

■ 78.8294, 0.3260,
0.3426

■ 78.8294, 0.3260,
0.3426

490.9790, 0.3199,
0.3364

■ 58.7556, 0.3274,
0.3440

131.7187, 0.3239,
0.3405

■ 42.4164, 0.3290,
0.3457

165.3029, 0.3231,
0.3396

■ 29.4275, 0.3312,
0.3479

204.1593, 0.3224,
0.3389

■ 19.4044, 0.3339,
0.3507

248.6724, 0.3218,
0.3383

■ 11.9629, 0.3376,
0.3545

299.2265, 0.3212,
0.3377

■ 6.7184, 0.3429,
0.3598

356.2061, 0.3208,

■ 3.2866, 0.3509,

0.3372

0.3680

419.9954, 0.3203,
0.3368

■ 1.2831, 0.3653,
0.3826

■ 0.1281, 0.4959,
0.5041

■ 78.8294, 0.3260,
0.3426

■ 78.8294, 0.3260,
0.3426

■ 73.2279, 0.3433,
0.3594

■ 84.8314, 0.3104,
0.3266

■ 68.0060, 0.3622,
0.3767

■ 90.6914, 0.3012,
0.3196

■ 63.1563, 0.3826,
0.3939

■ 95.8253, 0.3011,
0.3278

■ 58.6669, 0.4041,
0.4101

■ 96.5731, 0.3011,
0.3290

■ 54.5252, 0.4259,
0.4245

■ 50.7175, 0.4472,
0.4359

■ 47.2284, 0.4668,
0.4430

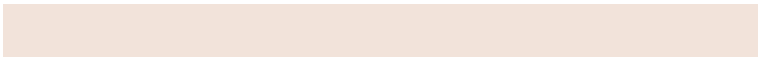
■ 44.0404, 0.4838,
0.4452

■ 41.1298, 0.4974,
0.4423

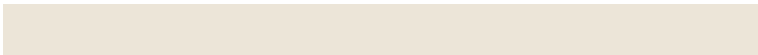
Harmonies

Analogous

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



78.8294, 0.3291, 0.3381



78.8294, 0.3260, 0.3426



78.8294, 0.3193, 0.3435

Triad

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



78.8294, 0.3260, 0.3426



78.8294, 0.2979, 0.3265



78.8294, 0.3144, 0.3180

Complementary

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



78.8294, 0.3260, 0.3426



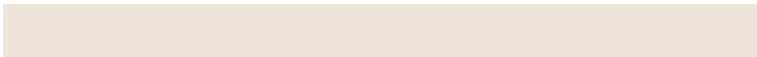
73.4559, 0.2996, 0.3150

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.



78.8294, 0.3060, 0.3149



78.8294, 0.3260, 0.3426



78.8294, 0.2966, 0.3197

Square

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



78.8294, 0.3260, 0.3426



78.8294, 0.3031, 0.3341



78.8294, 0.2995, 0.3155



78.8294, 0.3224, 0.3239

Rectangle

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



78.8294, 0.3260, 0.3426



78.8294, 0.3137, 0.3419



78.8294, 0.2995, 0.3155



78.8294, 0.3115, 0.3166

Sweetspot

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



78.8328, 0.3260, 0.3426



97.8177, 0.3173, 0.3338



72.3112, 0.3223, 0.3213



20.8137, 0.3186, 0.3351



0.0000, 0.0000, 0.0000



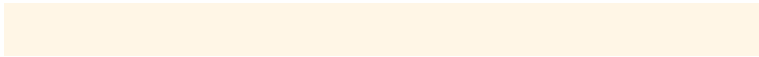
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8328, 0.3260, 0.3426



92.8931, 0.3286, 0.3452



82.3324, 0.3234, 0.3499



16.6866, 0.3277, 0.3443



22.6869, 0.4978, 0.4429



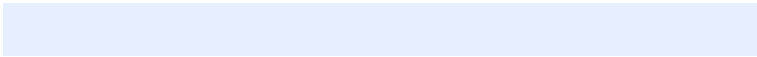
1.9608, 0.4841, 0.4538

Inverse Universe

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



73.4559, 0.2996, 0.3150



85.3660, 0.2971, 0.3122



70.2008, 0.3015, 0.3075



15.4128, 0.2980, 0.3133



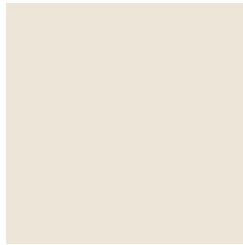
6.9460, 0.1646, 0.1127



0.7203, 0.1723, 0.1403

Previews

White Background



This preview shows how the Yxy color 78.8294, 0.3260, 0.3426 looks on a white background.

Color Contrast Check

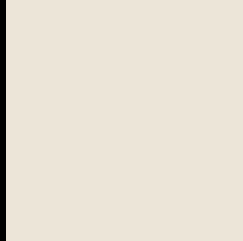
Large Text (above 18pt) WCAG AA × Fail

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 78.8294, 0.3260, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

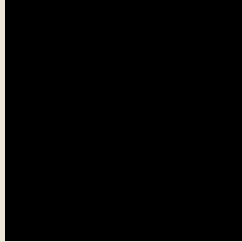
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

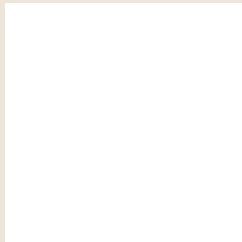
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8294, 0.3260, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 78.8294, 0.3260, 0.3426.

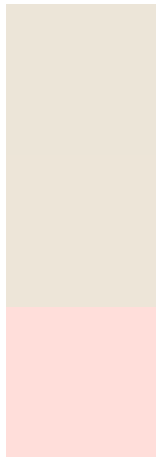


This preview shows how white text looks on a background with the Yxy color 78.8294, 0.3260, 0.3426.

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

78.8294, 0.3260, 0.3426

Protanopia

79.0010, 0.3267, 0.3426

Deuteranopia

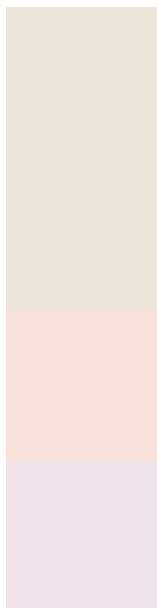
78.5645, 0.3393, 0.3331



Tritanopia

78.8468, 0.3115, 0.3107

Trichromacy



Original Color

78.8294, 0.3260, 0.3426

Protanomaly

79.0010, 0.3267, 0.3426

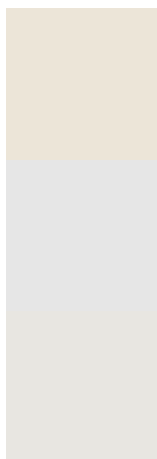
Deuteranomaly

78.8166, 0.3344, 0.3372

Tritanomaly

78.6266, 0.3172, 0.3218

Monochromacy



Original Color

78.8294, 0.3260, 0.3426

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1857, 0.3173, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8294, 0.3260, 0.3426 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(236, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(236, 229, 216)  
}
```

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(236, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 229, 216) }
```

Border

The CSS property to change the border of an element to Yxy 78.8294, 0.3260, 0.3426 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(236, 229, 216) }
```

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

```
.border{ border-color:rgb(236, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 229, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 229, 216); box-shadow:4px 4px 4px 4px rgb(236, 229, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8294, 0.3260, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 229, 216) }
```

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

```
.background{ background-color: rgb(236,  
229, 216) }
```

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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