

Converting Colors

$Yxy(79.5356, 0.3142, 0.3315)$

Have a look what the booklet for
Yxy(79.5356, 0.3142, 0.3315)
contains.

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Color

Yxy(79.7422, 0.3146, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7E4
RGB	231, 231, 228
RGB Percent	91%, 91%, 89%
CMY	0.0941, 0.0941, 0.1057
CMYK	0.00, 0.00, 0.01, 0.09
HSL	60°, 6%, 90%
HSV	60°, 1%, 91%
XYZ	75.5402, 79.7422, 84.8326
YIQ	230.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

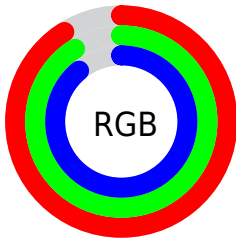
Format	Color
R_{YB}	228, 231, 228
Decimal	15198180
CIE _{Lab}	91.57, -0.52, 1.43
CIE _{LCh}	92, 1.520, 109.813
Yxy	79.7422, 0.3146, 0.3321
Android (android.graphics.Color)	4293388260 (0xFFE7E7E4)
YUV	230.6580, -1.3104, 0.2999
Hunter-Lab	89.2985, -5.2740, 6.1841

Details

The Yxy color **79.7422, 0.3146, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.7808, 0.3108, 0.3259**, and the grayscale version is **79.6574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.7910, 0.3144, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **78.5015, 0.3295, 0.3567**, and if you desaturate by 10%, it is **81.1613, 0.3003, 0.3086**.

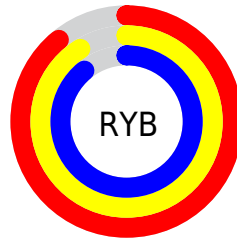
Distribution



Red (91%)

Green (91%)

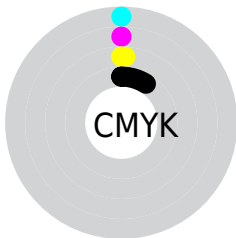
Blue (89%)



Red (89%)

Yellow (91%)

Blue (89%)

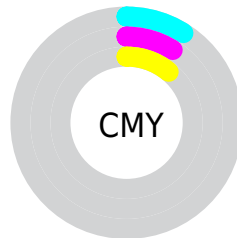


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7422, 0.3146, 0.3321 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 79.7422, 0.3146, 0.3321 by changing the saturation by 10% instead.

■ 79.7422, 0.3146,
0.3321

■ 79.7422, 0.3146,
0.3321

494.0636, 0.3137,
0.3307

■ 59.5062, 0.3148,
0.3324

133.0032, 0.3143,
0.3316

■ 43.0208, 0.3150,
0.3328

166.7971, 0.3142,
0.3314

■ 29.9014, 0.3153,
0.3333

205.8790, 0.3141,
0.3313

■ 19.7638, 0.3157,
0.3339

250.6334, 0.3140,
0.3311

■ 12.2234, 0.3162,
0.3348

301.4446, 0.3139,
0.3310

■ 6.8960, 0.3170,
0.3360

358.6972, 0.3139,

■ 3.3972, 0.3181,

0.3309

0.3379

422.7754, 0.3138,
0.3308

■ 1.3424, 0.3200,
0.3411

■ 0.1737, 0.3672,
0.4182

■ 79.7422, 0.3146,
0.3321

■ 79.7422, 0.3146,
0.3321

■ 78.5015, 0.3295,
0.3567

■ 81.1613, 0.3003,
0.3086

■ 77.4220, 0.3448,
0.3818

■ 81.4532, 0.2980,
0.3048


■ 76.5000, 0.3600,
0.4067

■ 81.4986, 0.2980,
0.3049


■ 75.7279, 0.3744,
0.4305


■ 81.5441, 0.2980,
0.3050


 75.0972, 0.3877,
0.4522


 81.5896, 0.2980,
0.3051

 74.5987, 0.3990,
0.4709


 81.6352, 0.2980,
0.3052


 74.2222, 0.4081,
0.4856

 81.6807, 0.2980,
0.3052

 73.9558, 0.4145,
0.4961

 81.7263, 0.2980,
0.3053

 73.7854, 0.4183,
0.5022

 81.7719, 0.2980,
0.3054

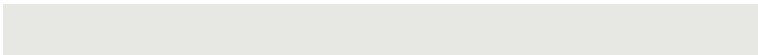
Harmonies

Analogous

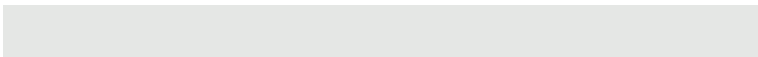
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7422, 0.3158, 0.3317



79.7422, 0.3146, 0.3321



79.7422, 0.3129, 0.3317

Triad

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



79.7422, 0.3146, 0.3321



79.7422, 0.3093, 0.3275



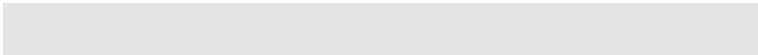
79.7422, 0.3143, 0.3275

Complementary

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



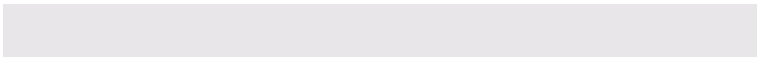
79.7422, 0.3146, 0.3321



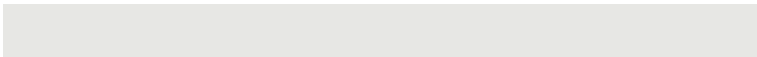
77.7808, 0.3108, 0.3259

Split Complementary

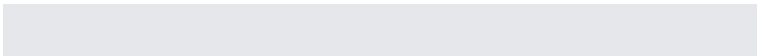
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7422, 0.3126, 0.3264



79.7422, 0.3146, 0.3321



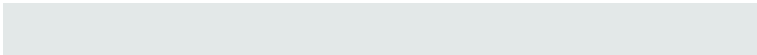
79.7422, 0.3096, 0.3263

Square

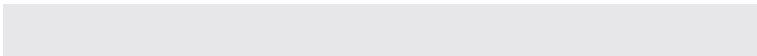
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



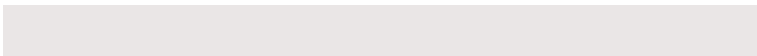
79.7422, 0.3146, 0.3321



79.7422, 0.3098, 0.3290



79.7422, 0.3108, 0.3260



79.7422, 0.3157, 0.3290

Rectangle

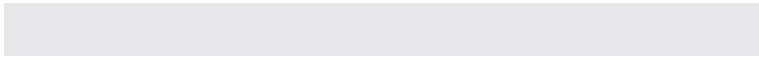
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



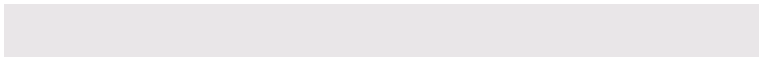
79.7422, 0.3146, 0.3321



79.7422, 0.3117, 0.3310



79.7422, 0.3108, 0.3260



79.7422, 0.3138, 0.3271

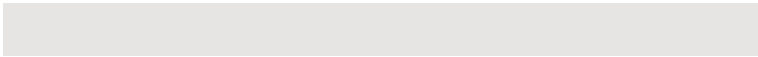
Sweetspot

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



79.7456, 0.3146, 0.3321

100.0000, 0.3127, 0.3290



78.1021, 0.3147, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

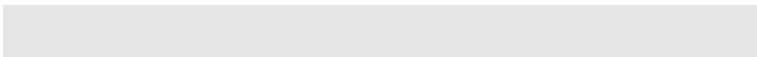
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7456, 0.3146, 0.3321



99.6644, 0.3157, 0.3339



79.5131, 0.3136, 0.3321



17.0106, 0.3155, 0.3336



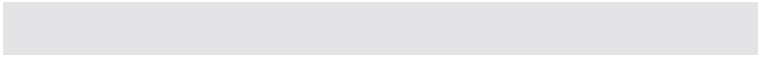
41.3146, 0.4199, 0.5048



3.0558, 0.4198, 0.5048

Inverse Universe

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



77.7808, 0.3108, 0.3259



95.8457, 0.3097, 0.3241



78.0114, 0.3118, 0.3259



16.3975, 0.3099, 0.3244



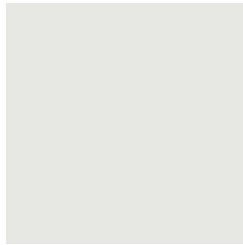
3.2481, 0.1501, 0.0602



0.2429, 0.1503, 0.0609

Previews

White Background



This preview shows how the Yxy color 79.7422, 0.3146, 0.3321 looks on a white background.

Color Contrast Check

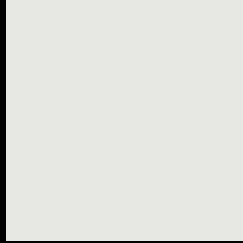
Large Text (above 18pt) WCAG AA × Fail

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 79.7422, 0.3146, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

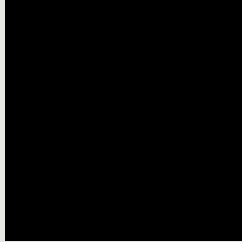
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

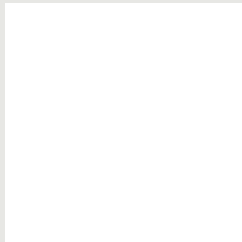
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7422, 0.3146, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 79.7422, 0.3146, 0.3321.

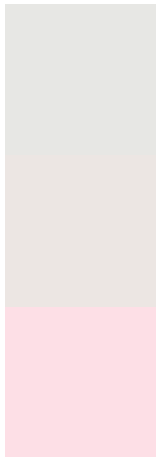


This preview shows how white text looks on a background with the Yxy color 79.7422, 0.3146, 0.3321.

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

79.7422, 0.3146, 0.3321

Protanopia

79.9725, 0.3188, 0.3321

Deuteranopia

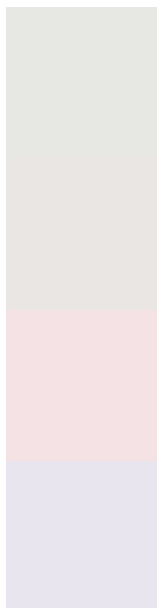
79.3712, 0.3294, 0.3221



Tritanopia

79.6331, 0.3054, 0.3106

Trichromacy



Original Color

79.7422, 0.3146, 0.3321

Protanomaly

79.6321, 0.3174, 0.3321

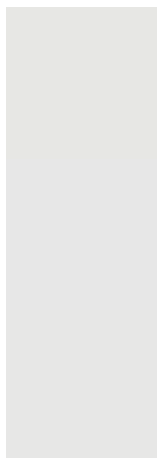
Deuteranomaly

79.4623, 0.3241, 0.3260

Tritanomaly

79.5943, 0.3091, 0.3187

Monochromacy



Original Color

79.7422, 0.3146, 0.3321

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8539, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7422, 0.3146, 0.3321 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(231, 231, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 228)  
}
```

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(231, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 228) }
```

Border

The CSS property to change the border of an element to Yxy 79.7422, 0.3146, 0.3321 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(231, 231, 228) }
```

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

```
.border{ border-color:rgb(231, 231, 228) }
```

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

Here you see how a box with a 4 pixel rgb(231, 231, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
228) }
```

Background

The CSS property to change the background color of an element to Yxy 79.7422, 0.3146, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 228) }
```

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

```
.background{ background-color: rgb(231,  
231, 228) }
```

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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