

Converting Colors

$Yxy(78.1640, 0.3218, 0.3538)$

Have a look what the booklet for
Yxy(78.1640, 0.3218, 0.3538)
contains.

Yxy(78.1640, 0.3218, 0.3538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.1640, 0.3218, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	E0E8D1
RGB	224, 232, 209
RGB Percent	88%, 91%, 82%
CMY	0.1218, 0.0901, 0.1803
CMYK	0.03, 0.00, 0.10, 0.09
HSL	81°, 33%, 86%
HSV	81°, 10%, 91%
XYZ	71.0943, 78.1640, 71.6687
YIQ	226.9860, 2.6150, -8.8490

Conversions

Conversions Part 2

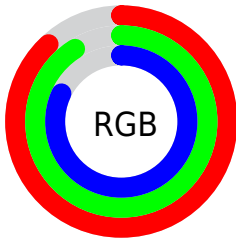
Format	Color
R_{YB}	209, 232, 217
Decimal	14739665
CIE _{Lab}	90.85, -6.71, 10.26
CIE _{LCh}	91, 12.255, 123.177
Yxy	78.1640, 0.3218, 0.3538
Android (android.graphics.Color)	4292929745 (0xFFE0E8D1)
YUV	226.9860, -8.8671, -2.6187
Hunter-Lab	88.4104, -11.1792, 13.8246

Details

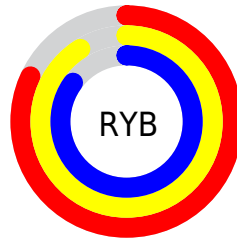
The Yxy color **78.1640, 0.3218, 0.3538** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.1993, 0.3030, 0.3038**, and the grayscale version is **76.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8522, 0.3238, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **75.8310, 0.3310, 0.3805**, and if you desaturate by 10%, it is **80.7335, 0.3126, 0.3288**.

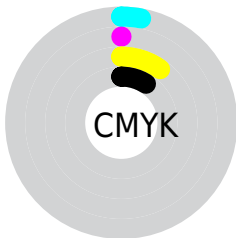
Distribution



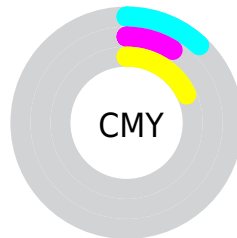
- Red (88%)
- Green (91%)
- Blue (82%)



- Red (82%)
- Yellow (91%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1640, 0.3218, 0.3538 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 78.1640, 0.3218, 0.3538 by changing the saturation by 10% instead.

■ 78.1640, 0.3218,
0.3538

■ 78.1640, 0.3218,
0.3538

488.7236, 0.3177,
0.3423

■ 58.2087, 0.3227,
0.3564

130.7813, 0.3204,
0.3498

■ 41.9765, 0.3238,
0.3597

164.2121, 0.3199,
0.3483

■ 29.0829, 0.3252,
0.3638

202.9035, 0.3194,
0.3469

■ 19.1435, 0.3269,
0.3692

247.2399, 0.3190,
0.3458

■ 11.7740, 0.3293,
0.3765

297.6057, 0.3186,
0.3448

■ 6.5900, 0.3325,
0.3871

354.3854, 0.3183,

■ 3.2070, 0.3371,

0.3439

0.4037

417.9632, 0.3180,
0.3430

■ 1.2408, 0.3499,
0.4403

■ 0.0946, 0.0000,
1.0000

■ 78.1640, 0.3218,
0.3538

■ 78.1640, 0.3218,
0.3538

■ 75.8310, 0.3310,
0.3805

■ 80.7335, 0.3126,
0.3288

■ 73.7161, 0.3399,
0.4083

■ 83.5100, 0.3040,
0.3061

■ 71.8143, 0.3480,
0.4366

■ 84.9688, 0.3093,
0.3065

■ 70.1161, 0.3550,
0.4643

■ 86.2045, 0.3138,
0.3068

■ 68.6116, 0.3602,
0.4902

■ 67.2896, 0.3633,
0.5129

■ 66.1374, 0.3639,
0.5314

■ 65.1401, 0.3621,
0.5449

■ 64.2732, 0.3581,
0.5538

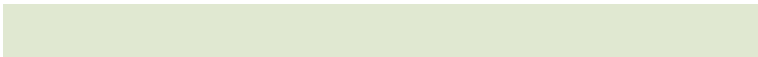
Harmonies

Analogous

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



78.1640, 0.3341, 0.3531



78.1640, 0.3218, 0.3538



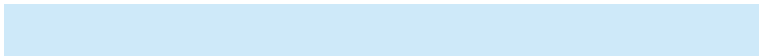
78.1640, 0.3073, 0.3475

Triad

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



78.1640, 0.3218, 0.3538



78.1640, 0.2855, 0.3114



78.1640, 0.3312, 0.3221

Complementary

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



78.1640, 0.3218, 0.3538



66.1993, 0.3030, 0.3038

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.



78.1640, 0.3177, 0.3116



78.1640, 0.3218, 0.3538



78.1640, 0.2915, 0.3053

Square

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



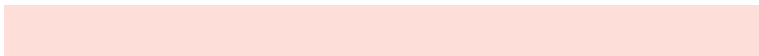
78.1640, 0.3218, 0.3538



78.1640, 0.2865, 0.3225



78.1640, 0.3032, 0.3055



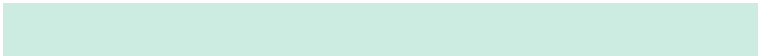
78.1640, 0.3396, 0.3345

Rectangle

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



78.1640, 0.3218, 0.3538



78.1640, 0.2983, 0.3401



78.1640, 0.3032, 0.3055



78.1640, 0.3271, 0.3182

Sweetspot

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



78.1674, 0.3218, 0.3538



99.0115, 0.3155, 0.3364



71.4226, 0.3292, 0.3377



21.1369, 0.3162, 0.3383



0.0000, 0.0000, 0.0000



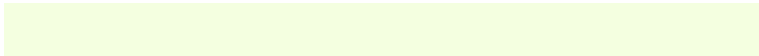
21.4041, 0.3127, 0.3290

Same Dimension

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



78.1674, 0.3218, 0.3538



96.2037, 0.3238, 0.3594



76.3946, 0.3139, 0.3544



16.5509, 0.3214, 0.3526



35.7440, 0.3591, 0.5531



2.6927, 0.3679, 0.5461

Inverse Universe

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



66.1993, 0.3030, 0.3038



78.4321, 0.3007, 0.2981



68.0216, 0.3113, 0.3045



14.1319, 0.3035, 0.3051



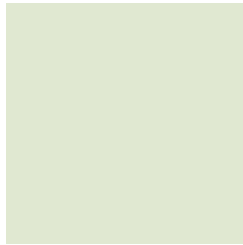
4.2792, 0.1772, 0.0750



0.3666, 0.1934, 0.0839

Previews

White Background



This preview shows how the Yxy color 78.1640, 0.3218, 0.3538 looks on a white background.

Color Contrast Check

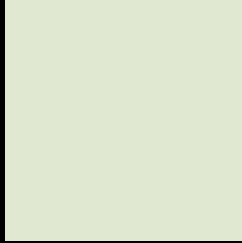
Large Text (above 18pt) WCAG AA × Fail

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 78.1640, 0.3218, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

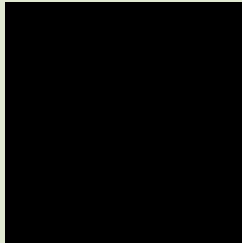
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

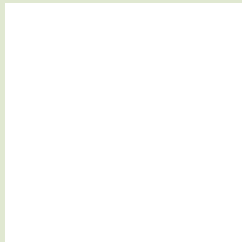
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1640, 0.3218, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 78.1640, 0.3218, 0.3538.

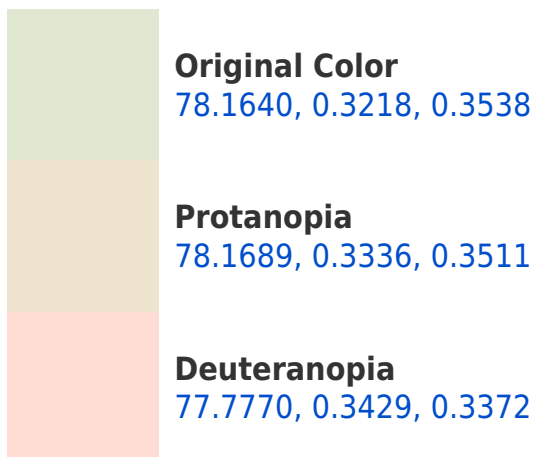


This preview shows how white text looks on a background with the Yxy color 78.1640, 0.3218, 0.3538.

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

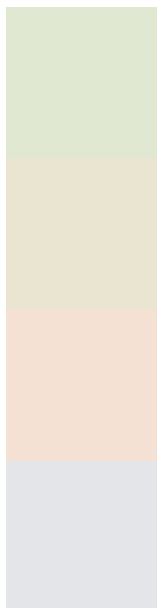




Tritanopia

78.1888, 0.3027, 0.3104

Trichromacy



Original Color

78.1640, 0.3218, 0.3538

Protanomaly

77.9163, 0.3292, 0.3513

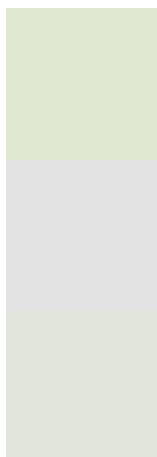
Deuteranomaly

77.8370, 0.3349, 0.3425

Tritanomaly

78.1957, 0.3095, 0.3258

Monochromacy



Original Color

78.1640, 0.3218, 0.3538

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3747, 0.3164, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1640, 0.3218, 0.3538 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, 232, 209)` looks like.

```
.text, #text, p{  
    color:rgb(224, 232, 209)  
}
```

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, 232, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 232, 209) }
```

Border

The CSS property to change the border of an element to Yxy 78.1640, 0.3218, 0.3538 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, 232, 209) }
```

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

```
.border{ border-color:rgb(224, 232, 209) }
```

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

Here you see how a box with a 4 pixel rgb(224, 232, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(224, 232,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1640, 0.3218, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 232, 209) }
```

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

```
.background{ background-color: rgb(224,  
232, 209) }
```

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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