

Converting Colors

$Y_{xy}(78.4771, 0.3712, 0.3963)$

Have a look what the booklet for
Yxy(78.4771, 0.3712, 0.3963)
contains.

Yxy(78.2709, 0.3716, 0.3961)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2709, 0.3716, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	F9E4A3
RGB	249, 228, 163
RGB Percent	98%, 89%, 64%
CMY	0.0234, 0.1059, 0.3606
CMYK	0.00, 0.08, 0.35, 0.02
HSL	45°, 88%, 81%
HSV	45°, 35%, 98%
XYZ	73.4296, 78.2709, 45.9034
YIQ	226.8690, 33.3810, -15.7630

Conversions

Conversions Part 2

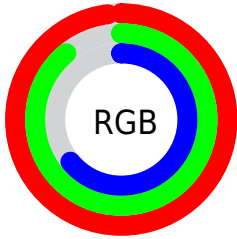
Format	Color
R _Y B	191, 249, 163
Decimal	16376995
CIE Lab	90.90, -2.00, 34.35
CIE LCh	91, 34.409, 93.332
Yxy	78.2709, 0.3716, 0.3961
Android (android.graphics.Color)	4294567075 (0xFFF9E4A3)
YUV	226.8690, -31.4874, 19.4089
Hunter-Lab	88.4708, -6.6714, 31.1668

Details

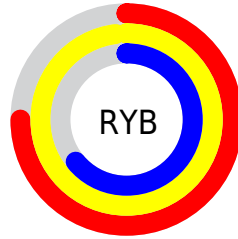
The Yxy color **78.2709, 0.3716, 0.3961** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.9377, 0.2534, 0.2512**, and the grayscale version is **76.9366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **42.1112, 0.3834, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **74.1761, 0.3905, 0.4151**, and if you desaturate by 10%, it is **82.6666, 0.3532, 0.3763**.

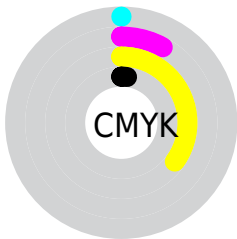
Distribution



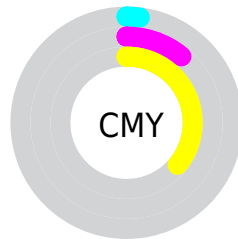
- Red (98%)
- Green (89%)
- Blue (64%)



- Red (75%)
- Yellow (98%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (35%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2709, 0.3716, 0.3961 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 78.2709, 0.3716, 0.3961 by changing the saturation by 10% instead.

 78.2709, 0.3716,
0.3961

 78.2709, 0.3716,
0.3961


489.0863, 0.3451,
0.3657

 58.2965, 0.3774,
0.4028


 130.9319, 0.3626,
0.3857

 42.0471, 0.3843,
0.4109


 164.3874, 0.3591,
0.3817

 29.1382, 0.3928,
0.4208


203.1054, 0.3560,
0.3781

 19.1854, 0.4033,
0.4333

247.4702, 0.3533,
0.3750

 11.8043, 0.4166,
0.4492

297.8663, 0.3509,
0.3723

 6.6106, 0.4332,
0.4695

354.6781, 0.3488,

 3.2198, 0.4688,

0.3698

0.5124

418.2900, 0.3469,
0.3677

■ 1.2475, 0.4743,
0.5257

■ 0.1000, 0.3161,
0.6839

■ 78.2709, 0.3716,
0.3961

■ 78.2709, 0.3716,
0.3961

■ 74.1761, 0.3905,
0.4151

■ 82.6666, 0.3532,
0.3763

■ 70.3599, 0.4092,
0.4325

■ 87.3633, 0.3358,
0.3566

■ 66.8133, 0.4270,
0.4470

■ 92.3744, 0.3196,
0.3374

■ 63.5222, 0.4430,
0.4577

■ 97.2072, 0.3091,
0.3264

■ 60.4701, 0.4565,
0.4637

■ 98.8840, 0.3090,
0.3290

■ 57.6376, 0.4668,
0.4648

■ 56.1660, 0.4715,
0.4639

Harmonies

Analogous

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



78.2709, 0.3917, 0.3733



78.2709, 0.3716, 0.3961



78.2709, 0.3362, 0.4011

Triad

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



78.2709, 0.3716, 0.3961



78.2709, 0.2416, 0.3084



78.2709, 0.3259, 0.2825

Complementary

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



78.2709, 0.3716, 0.3961



48.9377, 0.2534, 0.2512

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.



78.2709, 0.2856, 0.2664



78.2709, 0.3716, 0.3961



78.2709, 0.2392, 0.2787

Square

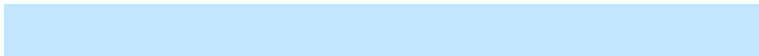
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2709, 0.3716, 0.3961



78.2709, 0.2618, 0.3475



78.2709, 0.2547, 0.2645



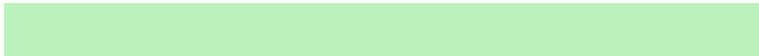
78.2709, 0.3648, 0.3093

Rectangle

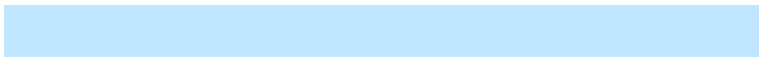
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2709, 0.3716, 0.3961



78.2709, 0.3093, 0.3916



78.2709, 0.2547, 0.2645



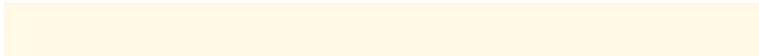
78.2709, 0.3120, 0.2757

Sweetspot

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



78.2745, 0.3716, 0.3961



94.5510, 0.3283, 0.3478



49.8338, 0.3741, 0.3062



20.0797, 0.3306, 0.3505



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.



78.2745, 0.3716, 0.3961



79.7560, 0.3839, 0.4087



86.8277, 0.3498, 0.4199



19.4294, 0.3275, 0.3468



30.2929, 0.4704, 0.4647



2.9709, 0.4630, 0.4706

Inverse Universe

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



48.9377, 0.2534, 0.2512



44.8035, 0.2410, 0.2335



43.3040, 0.2654, 0.2294



17.3323, 0.2979, 0.3105



5.6262, 0.1577, 0.0875



0.6797, 0.1637, 0.1093

Previews

White Background



This preview shows how the Yxy color 78.2709, 0.3716, 0.3961 looks on a white background.

Color Contrast Check

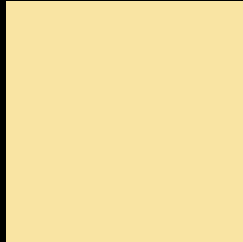
Large Text (above 18pt) WCAG AA × Fail

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 78.2709, 0.3716, 0.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

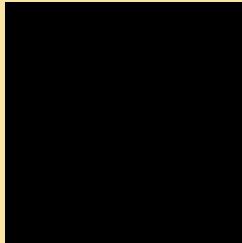
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2709, 0.3716, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 78.2709, 0.3716, 0.3961.



This preview shows how white text looks on a background with the Yxy color 78.2709, 0.3716, 0.3961.

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

78.2709, 0.3716, 0.3961

Protanopia

78.4571, 0.3698, 0.3975

Deuteranopia

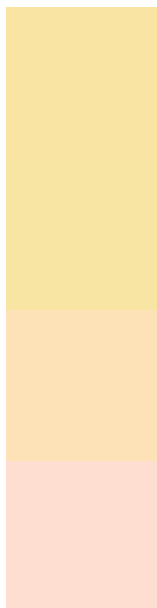
77.9755, 0.3553, 0.3576



Tritanopia

77.9212, 0.3278, 0.3132

Trichromacy



Original Color

78.2709, 0.3716, 0.3961

Protanomaly

78.6394, 0.3705, 0.3973

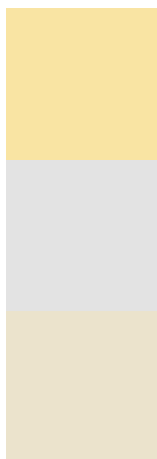
Deuteranomaly

78.1520, 0.3618, 0.3721

Tritanomaly

77.7286, 0.3441, 0.3423

Monochromacy



Original Color

78.2709, 0.3716, 0.3961

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9600, 0.3336, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2709, 0.3716, 0.3961 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(249, 228, 163)` looks like.

```
.text, #text, p{  
    color:rgb(249, 228, 163)  
}
```

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(249, 228, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 228, 163) }
```

Border

The CSS property to change the border of an element to Yxy 78.2709, 0.3716, 0.3961 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(249, 228, 163) }
```

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

```
.border{ border-color:rgb(249, 228, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 228, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 228, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 228, 163); box-shadow:4px 4px 4px 4px rgb(249, 228, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2709, 0.3716, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 228, 163) }
```

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

```
.background{ background-color: rgb(249,  
228, 163) }
```

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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