

Converting Colors

$Yxy(76.6224, 0.3656, 0.4091)$

Have a look what the booklet for
Yxy(76.6224, 0.3656, 0.4091)
contains.

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Color

Yxy(76.6224, 0.3656, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	EBE69B
RGB	235, 230, 155
RGB Percent	92%, 90%, 61%
CMY	0.0784, 0.0980, 0.3921
CMYK	0.00, 0.02, 0.34, 0.08
HSL	56°, 67%, 76%
HSV	56°, 34%, 92%
XYZ	68.4751, 76.6224, 42.1976
YIQ	222.9450, 27.0550, -22.2650

Conversions

Conversions Part 2

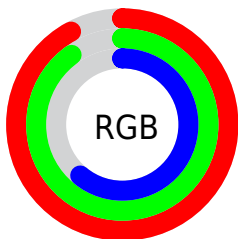
Format	Color
R _Y B	160, 235, 155
Decimal	15459995
CIE Lab	90.15, -9.30, 37.20
CIE LCh	90, 38.342, 104.040
Yxy	76.6224, 0.3656, 0.4091
Android (android.graphics.Color)	4293650075 (0xFFEBE69B)
YUV	222.9450, -33.4969, 10.5722
Hunter-Lab	87.5342, -13.5504, 32.6921

Details

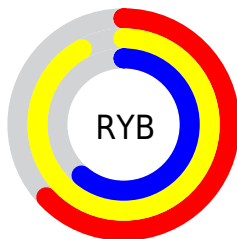
The Yxy color **76.6224, 0.3656, 0.4091** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1140, 0.2521, 0.2338**, and the grayscale version is **73.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **41.1042, 0.3760, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **75.0982, 0.3809, 0.4315**, and if you desaturate by 10%, it is **78.3141, 0.3498, 0.3855**.

Distribution



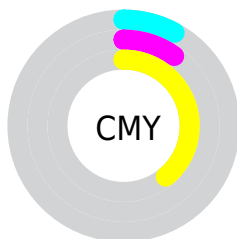
- Red (92%)
- Green (90%)
- Blue (61%)



- Red (63%)
- Yellow (92%)
- Blue (61%)



- Cyan (0%)
- Magenta (2%)
- Yellow (34%)
- Black (8%)





- Cyan (8%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6224, 0.3656, 0.4091 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 76.6224, 0.3656, 0.4091 by changing the saturation by 10% instead.


 76.6224, 0.3656,
0.4091

 76.6224, 0.3656,
0.4091


483.4756, 0.3422,
0.3722

 56.9430, 0.3706,
0.4174


 128.6063, 0.3577,
0.3964

 40.9595, 0.3765,
0.4275


 161.6797, 0.3546,
0.3914

 28.2874, 0.3836,
0.4400


199.9864, 0.3519,
0.3871

 18.5424, 0.3923,
0.4559

243.9110, 0.3495,
0.3833

 11.3401, 0.4025,
0.4764

293.8378, 0.3473,
0.3800

 6.2961, 0.4142,
0.5031

350.1513, 0.3454,

 3.0260, 0.4414,

0.3771

0.5586

413.2358, 0.3437,
0.3745

■ 1.1453, 0.4233,
0.5767

■ 0.0163, 0.0000,
1.0000

■ 76.6224, 0.3656,
0.4091

■ 76.6224, 0.3656,
0.4091

■ 75.0982, 0.3809,
0.4315

■ 78.3141, 0.3498,
0.3855

■ 73.7220, 0.3949,
0.4517

■ 80.1711, 0.3340,
0.3617


■ 72.4876, 0.4072,
0.4688


■ 82.2045, 0.3187,
0.3382

■ 71.3836, 0.4172,
0.4819


■ 84.4216, 0.3041,
0.3157

 70.3974, 0.4245,
0.4907

 85.6488, 0.3006,
0.3113


 69.5131, 0.4291,
0.4950

 86.5036, 0.3006,
0.3128

 69.0198, 0.4308,
0.4961

 87.3654, 0.3006,
0.3143

 88.2342, 0.3006,
0.3158

 89.1100, 0.3006,
0.3172

Harmonies

Analogous

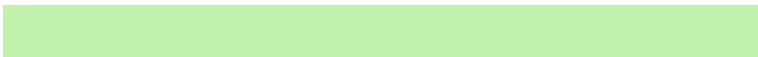
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6224, 0.3957, 0.3888



76.6224, 0.3656, 0.4091



76.6224, 0.3226, 0.4063

Triad

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



76.6224, 0.3656, 0.4091



76.6224, 0.2302, 0.2919



76.6224, 0.3439, 0.2868

Complementary

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



76.6224, 0.3656, 0.4091



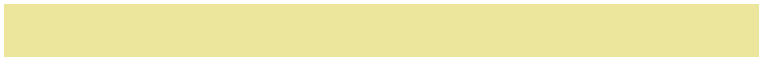
38.1140, 0.2521, 0.2338

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.



76.6224, 0.2976, 0.2642



76.6224, 0.3656, 0.4091



76.6224, 0.2348, 0.2649

Square

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



76.6224, 0.3656, 0.4091



76.6224, 0.2456, 0.3333



76.6224, 0.2585, 0.2560



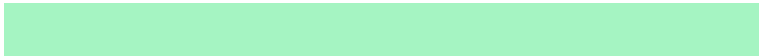
76.6224, 0.3836, 0.3192

Rectangle

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



76.6224, 0.3656, 0.4091



76.6224, 0.2927, 0.3895



76.6224, 0.2585, 0.2560



76.6224, 0.3284, 0.2779

Sweetspot

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



76.6259, 0.3656, 0.4091



97.4534, 0.3278, 0.3522



43.6609, 0.3875, 0.3232



20.7862, 0.3300, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

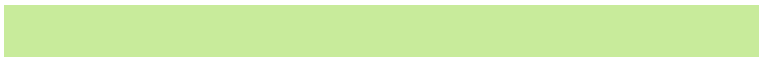
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6259, 0.3656, 0.4091



90.9018, 0.3766, 0.4253



74.1099, 0.3386, 0.4215



17.4564, 0.3269, 0.3509



38.4838, 0.4306, 0.4963



3.0708, 0.4289, 0.4976

Inverse Universe

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



38.1140, 0.2521, 0.2338



37.8534, 0.2372, 0.2100



40.3521, 0.2782, 0.2345



14.6998, 0.2980, 0.3062



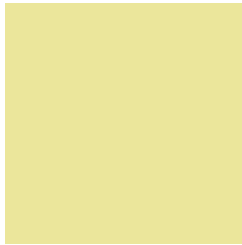
3.5847, 0.1511, 0.0640



0.3347, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 76.6224, 0.3656, 0.4091 looks on a white background.

Color Contrast Check

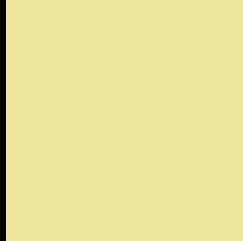
Large Text (above 18pt) WCAG AA × Fail

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 76.6224, 0.3656, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

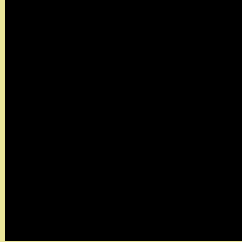
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6224, 0.3656, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 76.6224, 0.3656, 0.4091.



This preview shows how white text looks on a background with the Yxy color 76.6224, 0.3656, 0.4091.

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

76.6224, 0.3656, 0.4091

Protanopia

76.6837, 0.3749, 0.4051

Deuteranopia

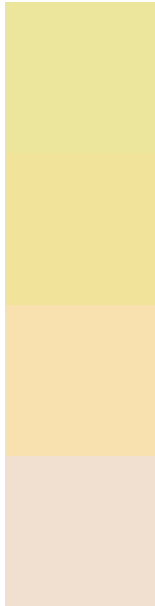
76.5608, 0.3615, 0.3639



Tritanopia

76.7133, 0.3192, 0.3118

Trichromacy



Original Color

76.6224, 0.3656, 0.4091

Protanomaly

76.5207, 0.3715, 0.4070

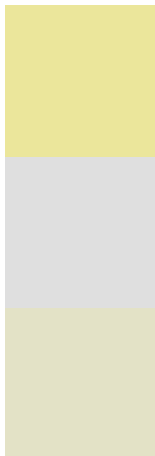
Deuteranomaly

76.3629, 0.3639, 0.3801

Tritanomaly

76.5171, 0.3363, 0.3469

Monochromacy



Original Color

76.6224, 0.3656, 0.4091

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8008, 0.3319, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6224, 0.3656, 0.4091 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(235, 230, 155)` looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 155)  
}
```

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(235, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 155) }
```

Border

The CSS property to change the border of an element to Yxy 76.6224, 0.3656, 0.4091 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(235, 230, 155) }
```

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

```
.border{ border-color:rgb(235, 230, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6224, 0.3656, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 155) }
```

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

```
.background{ background-color: rgb(235,  
230, 155) }
```

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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