

Converting Colors

$Yxy(77.2117, 0.3332, 0.3692)$

Have a look what the booklet for
Yxy(77.2117, 0.3332, 0.3692)
contains.

Yxy(77.2156, 0.3331, 0.3692)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2156, 0.3331, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	E2E7C2
RGB	226, 231, 194
RGB Percent	89%, 91%, 76%
CMY	0.1139, 0.0940, 0.2393
CMYK	0.02, 0.00, 0.16, 0.09
HSL	68°, 44%, 83%
HSV	68°, 16%, 91%
XYZ	69.6655, 77.2156, 62.2619
YIQ	225.2870, 8.8970, -12.5670

Conversions

Conversions Part 2

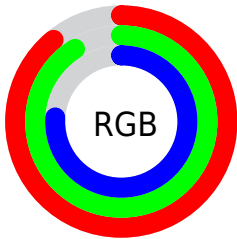
Format	Color
RYB	194, 231, 199
Decimal	14870466
CIELab	90.42, -7.90, 17.48
CIELCh	90, 19.182, 114.312
Yxy	77.2156, 0.3331, 0.3692
Android (android.graphics.Color)	4293060546 (0xFFE2E7C2)
YUV	225.2870, -15.4245, 0.6253
Hunter-Lab	87.8724, -12.2613, 19.5008

Details

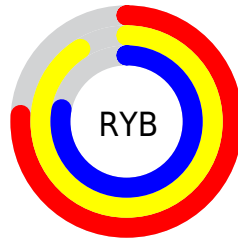
The Yxy color $77.2156, 0.3331, 0.3692$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $56.4970, 0.2904, 0.2864$, and the grayscale version is $75.6174, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.7450, 0.3150, 0.3328$, and $41.0994, 0.3375, 0.3786$ is the 20% darker color. If you saturate the color by 10%, you get $75.7545, 0.3459, 0.3953$, and if you desaturate by 10%, it is $78.8543, 0.3203, 0.3438$.

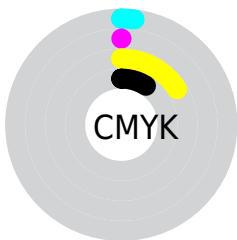
Distribution



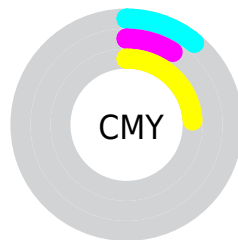
- Red (89%)
- Green (91%)
- Blue (76%)



- Red (76%)
- Yellow (91%)
- Blue (78%)



- Cyan (2%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2156, 0.3331, 0.3692 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 77.2156, 0.3331, 0.3692 by changing the saturation by 10% instead.

77.2156, 0.3331,
0.3692

77.2156, 0.3331,
0.3692

485.4988, 0.3239,
0.3505

57.4298, 0.3351,
0.3735

129.4438, 0.3300,
0.3627

41.3504, 0.3376,
0.3788

162.6550, 0.3287,
0.3602

28.5930, 0.3407,
0.3855

201.1101, 0.3277,
0.3580

18.7732, 0.3446,
0.3943

245.1936, 0.3267,
0.3561

11.5065, 0.3497,
0.4062

295.2898, 0.3259,
0.3545

6.4086, 0.3566,
0.4233

351.7832, 0.3252,

3.0951, 0.3662,

0.3530

0.4498

415.0580, 0.3245,
0.3517

■ 1.1816, 0.4268,
0.5571

■ 0.0466, 0.0000,
1.0000

■ 77.2156, 0.3331,
0.3692

■ 77.2156, 0.3331,
0.3692

■ 75.7545, 0.3459,
0.3953

■ 78.8543, 0.3203,
0.3438

■ 74.4533, 0.3583,
0.4213

■ 80.6673, 0.3078,
0.3196


■ 73.3073, 0.3696,
0.4462

■ 82.1191, 0.3009,
0.3049

■ 72.3077, 0.3795,
0.4691

■ 82.6629, 0.3029,
0.3050

 71.4449, 0.3873,
0.4889


 83.2164, 0.3050,
0.3052


 70.7078, 0.3926,
0.5046


 83.7796, 0.3071,
0.3053

 70.0836, 0.3953,
0.5158

 84.3524, 0.3092,
0.3055

 69.5565, 0.3954,
0.5226

 84.9350, 0.3113,
0.3057

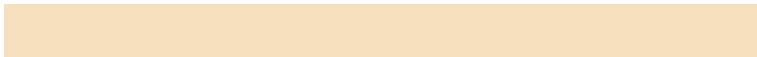
 69.3636, 0.3951,
0.5245

 85.5274, 0.3134,
0.3058

Harmonies

Analogous

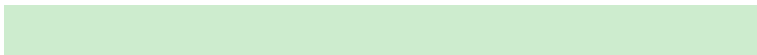
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2156, 0.3505, 0.3642



77.2156, 0.3331, 0.3692



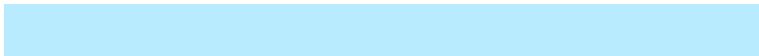
77.2156, 0.3106, 0.3625

Triad

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



77.2156, 0.3331, 0.3692



77.2156, 0.2697, 0.3055



77.2156, 0.3360, 0.3128

Complementary

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



77.2156, 0.3331, 0.3692



56.4970, 0.2904, 0.2864

Split Complementary

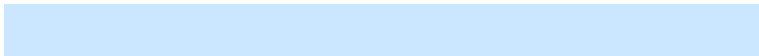
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2156, 0.3135, 0.2984



77.2156, 0.3331, 0.3692



77.2156, 0.2758, 0.2938

Square

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



77.2156, 0.3331, 0.3692



77.2156, 0.2745, 0.3245



77.2156, 0.2916, 0.2915



77.2156, 0.3524, 0.3314

Rectangle

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



77.2156, 0.3331, 0.3692



77.2156, 0.2959, 0.3522



77.2156, 0.2916, 0.2915



77.2156, 0.3288, 0.3073

Sweetspot

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



77.2190, 0.3331, 0.3692



98.8766, 0.3190, 0.3413



61.6985, 0.3422, 0.3346



21.1308, 0.3199, 0.3430



0.0000, 0.0000, 0.0000



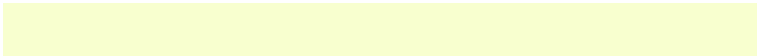
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2190, 0.3331, 0.3692



96.0279, 0.3371, 0.3772



74.4044, 0.3200, 0.3709



16.7120, 0.3247, 0.3524



38.9189, 0.3955, 0.5242



2.9037, 0.3992, 0.5213

Inverse Universe

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



56.4970, 0.2904, 0.2864



65.8003, 0.2855, 0.2773



59.1673, 0.3041, 0.2881



13.9812, 0.3001, 0.3048



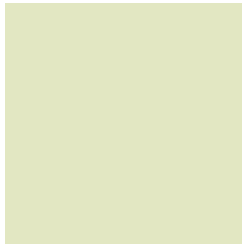
3.4337, 0.1554, 0.0630



0.2840, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 77.2156, 0.3331, 0.3692 looks on a white background.

Color Contrast Check

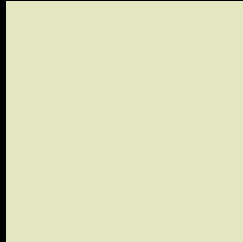
Large Text (above 18pt) WCAG AA × Fail

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 77.2156, 0.3331, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

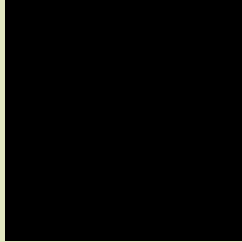
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

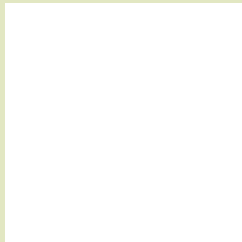
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2156, 0.3331, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 77.2156, 0.3331, 0.3692.



This preview shows how white text looks on a background with the Yxy color 77.2156, 0.3331, 0.3692.

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

77.2156, 0.3331, 0.3692

Protanopia

77.2692, 0.3454, 0.3660

Deuteranopia

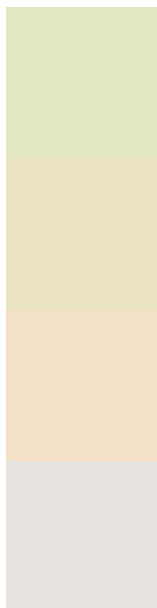
76.7107, 0.3510, 0.3474



Tritanopia

77.0458, 0.3074, 0.3104

Trichromacy



Original Color

77.2156, 0.3331, 0.3692

Protanomaly

76.9992, 0.3408, 0.3664

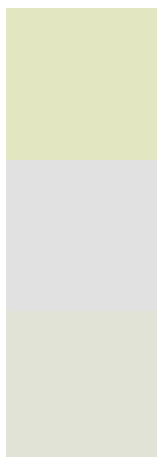
Deuteranomaly

76.6679, 0.3441, 0.3552

Tritanomaly

77.1974, 0.3161, 0.3311

Monochromacy



Original Color

77.2156, 0.3331, 0.3692

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.8008, 0.3197, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2156, 0.3331, 0.3692 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(226, 231, 194)` looks like.

```
.text, #text, p{  
    color:rgb(226, 231, 194)  
}
```

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(226, 231, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 231, 194) }
```

Border

The CSS property to change the border of an element to Yxy 77.2156, 0.3331, 0.3692 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(226, 231, 194) }
```

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

```
.border{ border-color:rgb(226, 231, 194) }
```

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

Here you see how a box with a 4 pixel rgb(226, 231, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 231, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 231, 194);  
box-shadow:4px 4px 4px 4px rgb(226, 231,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2156, 0.3331, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 231, 194) }
```

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

```
.background{ background-color: rgb(226,  
231, 194) }
```

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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