Converting Colors

Yxy(42.1801, 0.3082, 0.4262)

Have a look what the booklet for Yxy(42.1801, 0.3082, 0.4262) contains.

Color

Yxy(42.3372, 0.3081, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	7EBD7E
RGB	126, 189, 126
RGB Percent	49%, 74%, 49%
CMY	0.5060, 0.2588, 0.5059
CMYK	0.33, 0.00, 0.33, 0.26
HSL	120°, 32%, 62%
HSV	120°, 33%, 74%
XYZ	30.5625, 42.3372, 26.2971
YIQ	162.9810, -17.3250, -32.9490

Conversions

Conversions Part 2

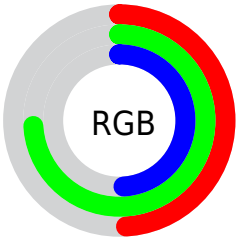
Format	Color
RYB	126, 189, 189
Decimal	8306046
CIELab	71.10, -32.90, 25.63
CIELCh	71, 41.700, 142.081
Yxy	42.3372, 0.3081, 0.4268
Android (android.graphics.Color)	4286496126 (0xFF7EBD7E)
YUV	162.9810, -18.2316, -32.4323
Hunter-Lab	65.0670, -30.0244, 21.5847

Details

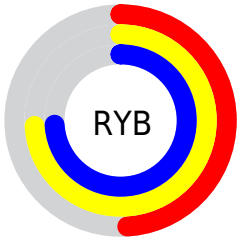
The Yxy color 42.3372, 0.3081, 0.4268 is a dark color, and the websafe version is hex 99CC99. A complement of this color would be 29.4043, 0.3166, 0.2474, and the grayscale version is 36.7066, 0.3127, 0.3290.

A 20% lighter version of the original color is 78.9900, 0.3103, 0.4075, and 19.3056, 0.3047, 0.4598 is the 20% darker color. If you saturate the color by 10%, you get 40.5934, 0.3064, 0.4619, and if you desaturate by 10%, it is 44.4481, 0.3097, 0.3938.

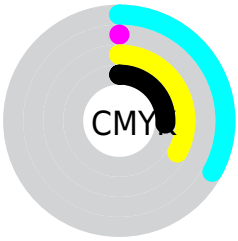
Distribution



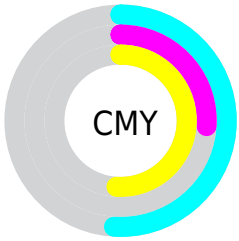
- Red (49%)
- Green (74%)
- Blue (49%)



- Red (49%)
- Yellow (74%)
- Blue (74%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (26%)



- Cyan (51%)
- Magenta (26%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3372, 0.3081, 0.4268 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 42.3372, 0.3081, 0.4268 by changing the saturation by 10% instead.

42.3372, 0.3081, 0.4268

42.3372, 0.3081, 0.4268

355.8789, 0.3119, 0.3746

29.3654, 0.3065, 0.4409

78.7097, 0.3099, 0.4070

19.3574, 0.3042, 0.4597

102.8792, 0.3105, 0.3998

11.9288, 0.3002, 0.4857

131.5501, 0.3109, 0.3938

6.6952, 0.2931, 0.5240

165.1068, 0.3112, 0.3888

3.2722, 0.2792, 0.5861

203.9336, 0.3114, 0.3845

1.2755, 0.2226, 0.7774

248.4149, 0.3116,

0.1221, 0.0000,

0.3807

1.0000

298.9352, 0.3118, 0.3774

0.0000, 0.0000, 0.0000

42.3372, 0.3081, 0.4268

42.3372, 0.3081, 0.4268

40.5934, 0.3064, 0.4619

44.4481, 0.3097, 0.3938

39.1908, 0.3048, 0.4975

46.9396, 0.3111, 0.3638

38.1086, 0.3032, 0.5311

49.8311, 0.3123, 0.3372

37.3215, 0.3018, 0.5600

53.1392, 0.3134, 0.3140

36.8006, 0.3008, 0.5817

56.8794, 0.3144, 0.2939

36.5108, 0.3002, 0.5948

61.0665, 0.3152, 0.2767

36.4006, 0.3000, 0.6000

64.8804, 0.3157, 0.2644

Harmonies

Analogous

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

42.3372, 0.3664, 0.4381

42.3372, 0.3081, 0.4268

42.3372, 0.2539, 0.3790

Triad

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

42.3372, 0.3081, 0.4268

42.3372, 0.2179, 0.2401

42.3372, 0.4171, 0.3271

Complementary

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

42.3372, 0.3081, 0.4268

29.4043, 0.3166, 0.2474

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.

42.3372, 0.3694, 0.2842

42.3372, 0.3081, 0.4268

42.3372, 0.2535, 0.2359

Square

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

42.3372, 0.3081, 0.4268

42.3372, 0.2055, 0.2673

42.3372, 0.3081, 0.2519

42.3372, 0.4328, 0.3735

Rectangle

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

42.3372, 0.3081, 0.4268

42.3372, 0.2272, 0.3375

42.3372, 0.3081, 0.2519

42.3372, 0.4041, 0.3120

Sweetspot

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

42.3390, 0.3081, 0.4268

85.6345, 0.3115, 0.3549

48.7260, 0.3623, 0.4110

18.2644, 0.3113, 0.3587

95.5105, 0.3127, 0.3290

19.5994, 0.3127, 0.3290

Same Dimension

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

42.3390, 0.3081, 0.4268

73.4804, 0.3069, 0.4522

43.2837, 0.2864, 0.3766

10.6497, 0.3116, 0.3527

24.4881, 0.3000, 0.6000

0.9592, 0.2999, 0.5998

Inverse Universe

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

29.4043, 0.3166, 0.2474

46.7836, 0.3174, 0.2304

28.1821, 0.3510, 0.2861

9.6962, 0.3138, 0.3064

9.7482, 0.3211, 0.1542

0.3819, 0.3210, 0.1542

Previews

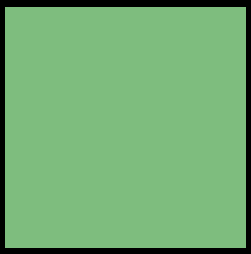
White Background

This preview shows how the Yxy color 42.3372, 0.3081, 0.4268 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 42.3372, 0.3081, 0.4268 looks on a black background.

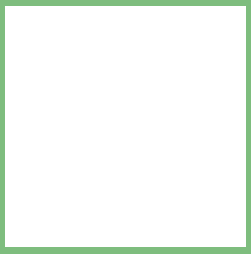
Color Contrast Check

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 42.3372, 0.3081, 0.4268 Background

This preview shows how black text looks on a background with the Yxy color 42.3372, 0.3081, 0.4268.

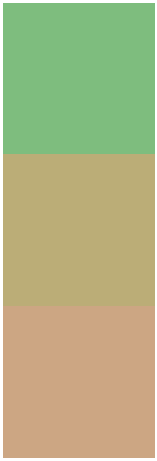


This preview shows how white text looks on a background with the Yxy color 42.3372, 0.3081, 0.4268.

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
42.3372, 0.3081, 0.4268

Protanopia
41.7838, 0.3727, 0.4017

Deuteranopia
41.7485, 0.3818, 0.3739

Tritanopia
42.0716, 0.2693, 0.3078

Trichromacy

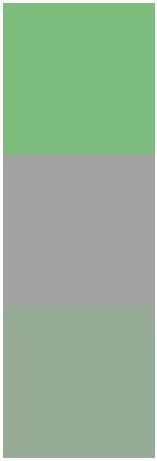
Original Color
42.3372, 0.3081, 0.4268

Protanomaly
41.6447, 0.3467, 0.4107

Deuteranomaly
41.0872, 0.3529, 0.3919

Tritanomaly
41.8376, 0.2831, 0.3482

Monochromacy



Original Color
42.3372, 0.3081, 0.4268

Achromatopsia
36.6253, 0.3127, 0.3290

Achromatomaly
38.1911, 0.3112, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3372, 0.3081, 0.4268 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(126, 189, 126) looks like.

```
.text, #text, p{
    color:rgb(126, 189, 126)
}
```

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(126, 189, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 189, 126) }
```

Border

The CSS property to change the border of an element to Yxy 42.3372, 0.3081, 0.4268 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(126, 189, 126) }
```

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

```
.border{ border-color:rgb(126, 189, 126) }
```

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

Here you see how a box with a 4 pixel rgb(126, 189, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 189, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 189, 126); box-shadow:4px 4px 4px 4px rgb(126, 189, 126) }
```

Background

The CSS property to change the background color of an element to Yxy 42.3372, 0.3081, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(126, 189, 126) }
```

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

```
.background{ background-color:rgb(126,
189, 126) }
```

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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