Converting Colors

Yxy(81.0111, 0.3661, 0.4025)

Have a look what the booklet for Yxy(81.0111, 0.3661, 0.4025) contains.

Color

Yxy(80.9025, 0.3667, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	F5EAA3
RGB	245, 234, 163
RGB Percent	96%, 92%, 64%
CMY	0.0392, 0.0823, 0.3610
CMYK	0.00, 0.04, 0.33, 0.04
HSL	52°, 80%, 80%
HSV	52°, 33%, 96%
XYZ	73.6884, 80.9025, 46.3592
YIQ	229.1950, 29.3470, -19.7490

Conversions

Conversions Part 2

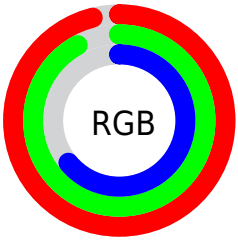
Format	Color
RYB	176, 245, 163
Decimal	16116387
CIELab	92.09, -6.57, 35.90
CIELCh	92, 36.495, 100.370
Yxy	80.9025, 0.3667, 0.4026
Android (android.graphics.Color)	4294306467 (0xFFF5EAA3)
YUV	229.1950, -32.6341, 13.8610
Hunter-Lab	89.9458, -11.1685, 32.4033

Details

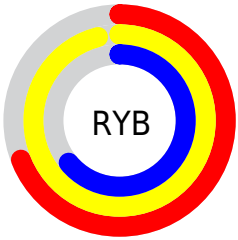
The Yxy color 80.9025, 0.3667, 0.4026 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 44.6290, 0.2540, 0.2427, and the grayscale version is 78.7345, 0.3127, 0.3290.

A 20% lighter version of the original color is 97.8420, 0.3345, 0.3651, and 43.6579, 0.3787, 0.4189 is the 20% darker color. If you saturate the color by 10%, you get 78.2585, 0.3834, 0.4239, and if you desaturate by 10%, it is 83.7587, 0.3499, 0.3804.

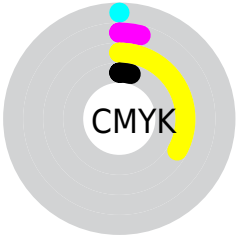
Distribution



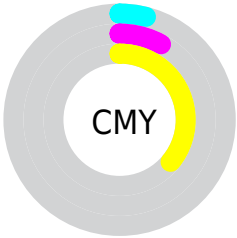
- Red (96%)
- Green (92%)
- Blue (64%)



- Red (69%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9025, 0.3667, 0.4026 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 80.9025, 0.3667, 0.4026 by changing the saturation by 10% instead.

80.9025, 0.3667, 0.4026

80.9025, 0.3667, 0.4026

497.9691, 0.3428, 0.3691

60.4613, 0.3718, 0.4100

134.6339, 0.3587, 0.3912

43.7906, 0.3779, 0.4190

168.6928, 0.3555, 0.3867

30.5059, 0.3853, 0.4300

208.0598, 0.3527, 0.3828

20.2229, 0.3943, 0.4440

253.1192, 0.3502, 0.3794

12.5572, 0.4053, 0.4619

304.2555, 0.3481, 0.3763

7.1243, 0.4186, 0.4851

361.8529, 0.3461,

3.5400, 0.4463,

0.3737

0.5308

426.2960, 0.3444, 0.3713

1.4197, 0.4457, 0.5543

0.2312, 0.2043, 0.7957

80.9025, 0.3667, 0.4026

80.9025, 0.3667, 0.4026

78.2585, 0.3834, 0.4239

83.7587, 0.3499, 0.3804

75.8055, 0.3993, 0.4432

86.8253, 0.3335, 0.3581

73.5362, 0.4137, 0.4597

90.1145, 0.3179, 0.3364

71.4381, 0.4260, 0.4723

93.2448, 0.3068, 0.3213

69.4970, 0.4356, 0.4804

95.2732, 0.3067, 0.3246

67.6954, 0.4424, 0.4840

97.3372, 0.3066, 0.3277

66.5810, 0.4456, 0.4844

98.1539, 0.3066, 0.3290

Harmonies

Analogous

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

80.9025, 0.3925, 0.3820

80.9025, 0.3667, 0.4026

80.9025, 0.3274, 0.4026

Triad

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

80.9025, 0.3667, 0.4026

80.9025, 0.2360, 0.2987

80.9025, 0.3367, 0.2861

Complementary

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

80.9025, 0.3667, 0.4026

44.6290, 0.2540, 0.2427

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.

80.9025, 0.2936, 0.2663

80.9025, 0.3667, 0.4026

80.9025, 0.2380, 0.2712

Square

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

80.9025, 0.3667, 0.4026

80.9025, 0.2528, 0.3384

80.9025, 0.2583, 0.2605

80.9025, 0.3752, 0.3159

Rectangle

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

80.9025, 0.3667, 0.4026

80.9025, 0.2991, 0.3889

80.9025, 0.2583, 0.2605

80.9025, 0.3222, 0.2782

Sweetspot

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

80.9062, 0.3667, 0.4026

96.3032, 0.3280, 0.3505

48.6971, 0.3794, 0.3158

20.5059, 0.3303, 0.3536

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.

80.9062, 0.3667, 0.4026

86.6631, 0.3777, 0.4168

82.5952, 0.3430, 0.4187

18.9124, 0.3272, 0.3493

36.0152, 0.4451, 0.4848

3.2682, 0.4414, 0.4877

Inverse Universe

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

44.6290, 0.2540, 0.2427

41.5108, 0.2407, 0.2223

43.9345, 0.2735, 0.2345

16.2848, 0.2979, 0.3078

4.2450, 0.1529, 0.0703

0.4828, 0.1578, 0.0880

Previews

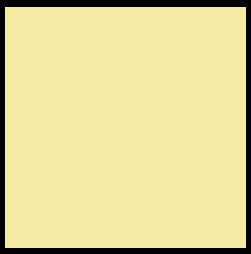
White Background

This preview shows how the Yxy color 80.9025, 0.3667, 0.4026 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



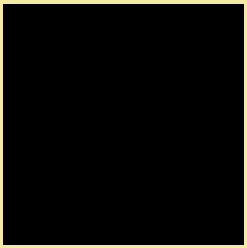
This preview shows how the Yxy color 80.9025, 0.3667, 0.4026 looks on a black background.

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 80.9025, 0.3667, 0.4026 Background



This preview shows how black text looks on a background with the Yxy color 80.9025, 0.3667, 0.4026.

This preview shows how white text looks on a background with the Yxy color 80.9025, 0.3667, 0.4026.

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
80.9025, 0.3667, 0.4026

Protanopia
80.8311, 0.3724, 0.4005

Deuteranopia
81.0586, 0.3487, 0.3543

Tritanopia
80.7929, 0.3219, 0.3113

Trichromacy

Original Color
80.9025, 0.3667, 0.4026

Protanomaly
81.0262, 0.3706, 0.4018

Deuteranomaly
80.7337, 0.3556, 0.3721

Tritanomaly
80.8001, 0.3389, 0.3443

Monochromacy

Original Color
80.9025, 0.3667, 0.4026

Achromatopsia
78.3538, 0.3127, 0.3290

Achromatomaly
79.2218, 0.3323, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9025, 0.3667, 0.4026 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(245, 234, 163) looks like.

```
.text, #text, p{
    color:rgb(245, 234, 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(245, 234, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 234, 163) }
```

Border

The CSS property to change the border of an element to Yxy 80.9025, 0.3667, 0.4026 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(245, 234, 163) }
```

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

```
.border{ border-color:rgb(245, 234, 163) }
```

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

Here you see how a box with a 4 pixel rgb(245, 234, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 234, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 234, 163); box-shadow:4px 4px 4px 4px rgb(245, 234, 163) }
```

Background

The CSS property to change the background color of an element to Yxy 80.9025, 0.3667, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(245, 234, 163) }
```

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

```
.background{ background-color:rgb(245,
234, 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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