Converting Colors

Yxy(34.7221, 0.4619, 0.2838)

Have a look what the booklet for Yxy(34.7221, 0.4619, 0.2838) contains.

Color

Yxy(31.7011, 0.4481, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	FF6092
RGB	255, 96, 146
RGB Percent	100%, 38%, 57%
CMY	0.0000, 0.6237, 0.4274
CMYK	0.00, 0.62, 0.43, 0.00
HSL	341°, 100%, 69%
HSV	341°, 62%, 100%
XYZ	50.6246, 31.7011, 30.6504
YIQ	149.2410, 78.7140, 49.2580

Conversions

Conversions Part 2

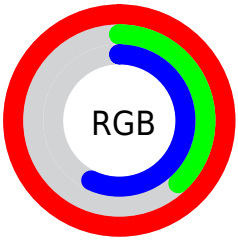
Format	Color
RYB	255, 96, 146
Decimal	16736402
CIELab	63.10, 64.37, 5.30
CIELCh	63, 64.591, 4.702
Yxy	31.7011, 0.4481, 0.2806
Android (android.graphics.Color)	4294926482 (0xFFFF6092)
YUV	149.2410, -1.5978, 92.7506
Hunter-Lab	56.3037, 61.9639, 7.1365

Details

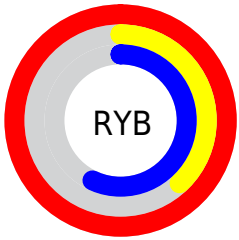
The Yxy color 31.7011, 0.4481, 0.2806 is a light color, and the websafe version is hex FF6699. A complement of this color would be 78.4097, 0.2578, 0.3918, and the grayscale version is 30.1331, 0.3127, 0.3290.

A 20% lighter version of the original color is 48.2126, 0.3668, 0.2805, and 13.1620, 0.4912, 0.2629 is the 20% darker color. If you saturate the color by 10%, you get 27.2708, 0.4834, 0.2782, and if you desaturate by 10%, it is 37.7086, 0.4158, 0.2862.

Distribution

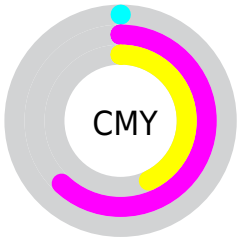


- Red (100%)
- Green (38%)
- Blue (57%)



- Red (100%)
- Yellow (38%)
- Blue (57%)

- Cyan (0%)
- Magenta (62%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7011, 0.4481, 0.2806 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 31.7011, 0.4481, 0.2806 by changing the saturation by 10% instead.

31.7011, 0.4481, 0.2806

31.7011, 0.4481, 0.2806

309.7554, 0.3763, 0.3071

21.1333, 0.4672, 0.2733

62.3422, 0.4211, 0.2908

13.2215, 0.4922, 0.2634

83.1843, 0.4113, 0.2945

7.5812, 0.5264, 0.2497

108.2200, 0.4030, 0.2975

3.8282, 0.5753, 0.2293

137.8336, 0.3960, 0.3000

1.5779, 0.6493, 0.1971

172.4095, 0.3901, 0.3022

0.3426, 0.8741, 0.1248

212.3322, 0.3849,

0.0000, 1.0000,

0.3041

0.0000

257.9861, 0.3803, 0.3057

0.0000, 0.0000, 0.0000

31.7011, 0.4481, 0.2806

31.7011, 0.4481, 0.2806

27.2708, 0.4834, 0.2782

37.7086, 0.4158, 0.2862

24.2828, 0.5196, 0.2801

45.4495, 0.3877, 0.2937

22.5423, 0.5534, 0.2869

55.0377, 0.3641, 0.3021

21.8430, 0.5759, 0.2946

66.5830, 0.3445, 0.3108

80.1865, 0.3285, 0.3192

95.9426, 0.3154, 0.3272

100.0000, 0.3127, 0.3290

Harmonies

Analogous

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

31.7011, 0.3455, 0.2262

31.7011, 0.4481, 0.2806

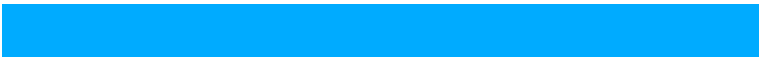
31.7011, 0.5075, 0.3458

Triad

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

31.7011, 0.4481, 0.2806

31.7011, 0.3510, 0.5201



31.7011, 0.1503, 0.2037

Complementary

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

31.7011, 0.4481, 0.2806

78.4097, 0.2578, 0.3918

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.

31.7011, 0.1505, 0.2631

31.7011, 0.4481, 0.2806

31.7011, 0.2584, 0.4777

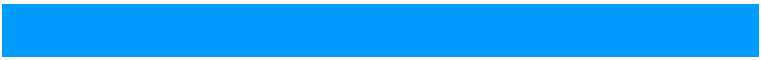
Square

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

31.7011, 0.4481, 0.2806

31.7011, 0.4387, 0.4838

31.7011, 0.1860, 0.3666



31.7011, 0.1820, 0.1829

Rectangle

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

31.7011, 0.4481, 0.2806

31.7011, 0.5092, 0.3923

31.7011, 0.1860, 0.3666

31.7011, 0.1468, 0.2186

Sweetspot

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

31.6941, 0.4481, 0.2806

70.9310, 0.3387, 0.3136

28.5060, 0.2728, 0.1644

14.3887, 0.3436, 0.3112

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.

31.6941, 0.4481, 0.2806

26.3524, 0.4930, 0.2782

36.8006, 0.4923, 0.3573

18.0813, 0.3245, 0.3215

11.4371, 0.5716, 0.2922

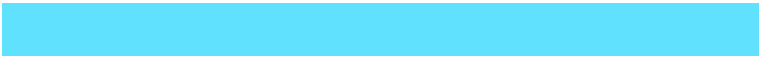
1.1324, 0.5396, 0.2746

Inverse Universe

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

31.6941, 0.4481, 0.2806

26.3524, 0.4930, 0.2782



64.0117, 0.2291, 0.2931

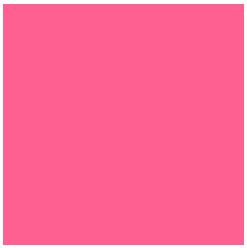
18.0813, 0.3245, 0.3215

11.4371, 0.5716, 0.2922

1.1324, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 31.7011, 0.4481, 0.2806 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

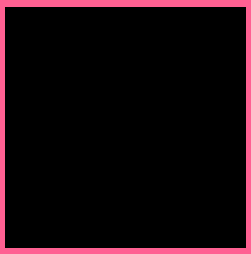
Black Background

Color Contrast Check

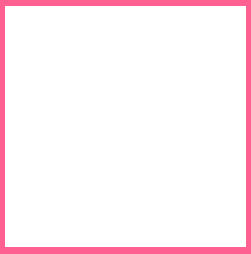
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 31.7011, 0.4481, 0.2806 Background



This preview shows how black text looks on a background with the Yxy color 31.7011, 0.4481, 0.2806.



This preview shows how white text looks on a background with the Yxy color 31.7011, 0.4481, 0.2806.

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

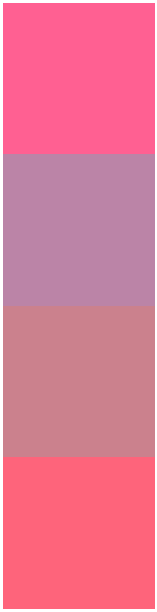
Original Color
31.7011, 0.4481, 0.2806

Protanopia
32.0070, 0.2851, 0.2890

Deuteranopia
31.8990, 0.3492, 0.3437

Tritanopia
31.7089, 0.4905, 0.3229

Trichromacy



Original Color
31.7011, 0.4481, 0.2806

Protanomaly
29.8573, 0.3369, 0.2816

Deuteranomaly
30.3201, 0.3856, 0.3136

Tritanomaly
31.6152, 0.4763, 0.3073

Monochromacy

Original Color
31.7011, 0.4481, 0.2806

Achromatopsia
30.0544, 0.3127, 0.3290

Achromatomaly
28.7947, 0.3600, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7011, 0.4481, 0.2806 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(255, 96, 146) looks like.

```
.text, #text, p{
    color:rgb(255, 96, 146)
}
```

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(255, 96, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 146) }
```

Border

The CSS property to change the border of an element to Yxy 31.7011, 0.4481, 0.2806 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(255, 96, 146) }
```

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

```
.border{ border-color:rgb(255, 96, 146) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 96, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 96, 146); box-shadow:4px 4px 4px 4px rgb(255, 96, 146) }
```

Background

The CSS property to change the background color of an element to Yxy 31.7011, 0.4481, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 96, 146) }
```

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

```
.background{ background-color:rgb(255, 96,
146) }
```

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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