

Converting Colors

$Yxy(47.4004, 0.2476, 0.2837)$

Have a look what the booklet for
Yxy(47.4004, 0.2476, 0.2837)
contains.

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Color

Yxy(47.4437, 0.2480, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	82BFE1
RGB	130, 191, 225
RGB Percent	51%, 75%, 88%
CMY	0.4900, 0.2510, 0.1178
CMYK	0.42, 0.15, 0.00, 0.12
HSL	201°, 61%, 70%
HSV	201°, 42%, 88%
XYZ	41.4297, 47.4437, 78.1819
YIQ	176.6370, -47.2700, -2.3580

Conversions

Conversions Part 2

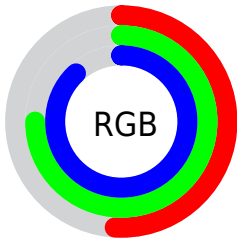
Format	Color
RYB	130, 167, 225
Decimal	8568801
CIELab	74.47, -10.86, -23.11
CIELCh	74, 25.531, 244.822
Yxy	47.4437, 0.2480, 0.2840
Android (android.graphics.Color)	4286758881 (0xFF82BFE1)
YUV	176.6370, 23.8430, -40.9006
Hunter-Lab	68.8794, -13.1744, -19.0818

Details

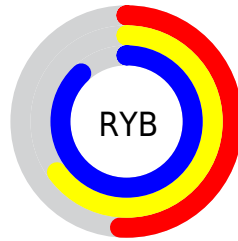
The Yxy color **47.4437, 0.2480, 0.2840** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.1757, 0.4041, 0.3692**, and the grayscale version is **43.6641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1806, 0.2723, 0.3203**, and **22.5351, 0.2307, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **42.4399, 0.2340, 0.2711**, and if you desaturate by 10%, it is **53.0331, 0.2629, 0.2962**.

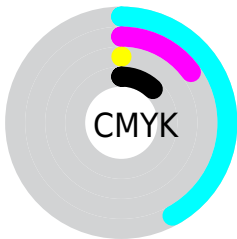
Distribution



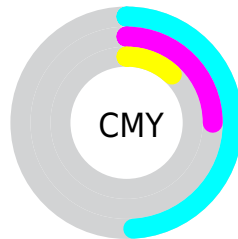
- Red (51%)
- Green (75%)
- Blue (88%)



- Red (51%)
- Yellow (65%)
- Blue (88%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4437, 0.2480, 0.2840 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 47.4437, 0.2480, 0.2840 by changing the saturation by 10% instead.

■ 47.4437, 0.2480,
0.2840

■ 47.4437, 0.2480,
0.2840

■ 376.5828, 0.2794,
0.3066

■ 33.3866, 0.2405,
0.2784

■ 86.3756, 0.2592,
0.2922

■ 22.4227, 0.2311,
0.2712

■ 112.0190, 0.2634,
0.2953

■ 14.1678, 0.2189,
0.2617

■ 142.2934, 0.2671,
0.2979

■ 8.2375, 0.2027,
0.2486

■ 177.5831, 0.2702,
0.3002

■ 4.2473, 0.1801,
0.2298

■ 218.2725, 0.2730,
0.3021

■ 1.8128, 0.1472,
0.2007

■ 264.7460, 0.2754,

■ 0.4952, 0.0602,

0.3038

0.1451

317.3880, 0.2775,
0.3053

0.0000, 0.0000,
0.0000

47.4437, 0.2480,
0.2840

47.4437, 0.2480,
0.2840

42.4399, 0.2340,
0.2711

53.0331, 0.2629,
0.2962

37.9877, 0.2214,
0.2576

59.2290, 0.2783,
0.3074

34.0569, 0.2105,
0.2438

66.0575, 0.2939,
0.3177

30.6115, 0.2015,
0.2299

73.5416, 0.3094,
0.3271

27.6084, 0.1946,
0.2162

81.7027, 0.3245,
0.3355

■ 25.5170, 0.1905,
0.2057

■ 88.6074, 0.3323,
0.3432

■ 93.4355, 0.3313,
0.3510

■ 98.2143, 0.3304,
0.3582

Harmonies

Analogous

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



47.4437, 0.2494, 0.3097



47.4437, 0.2480, 0.2840



47.4437, 0.2626, 0.2718

Triad

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



47.4437, 0.2480, 0.2840



47.4437, 0.3598, 0.3131



47.4437, 0.3319, 0.3915

Complementary

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



47.4437, 0.2480, 0.2840



44.1757, 0.4041, 0.3692

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.



47.4437, 0.3633, 0.3886



47.4437, 0.2480, 0.2840



47.4437, 0.3804, 0.3421

Square

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



47.4437, 0.2480, 0.2840



47.4437, 0.3263, 0.2888



47.4437, 0.3815, 0.3697



47.4437, 0.2966, 0.3748

Rectangle

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



47.4437, 0.2480, 0.2840



47.4437, 0.2801, 0.2717



47.4437, 0.3815, 0.3697



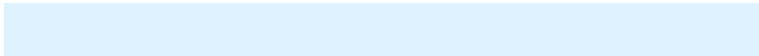
47.4437, 0.3433, 0.3927

Sweetspot

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



47.4455, 0.2480, 0.2840



86.9082, 0.2925, 0.3169



61.2361, 0.2883, 0.4128



18.1582, 0.2890, 0.3146



0.0000, 0.0000, 0.0000



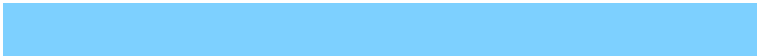
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4455, 0.2480, 0.2840



56.9099, 0.2352, 0.2722



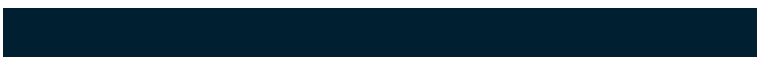
30.2211, 0.2372, 0.2184



14.7039, 0.2981, 0.3204



14.9377, 0.1911, 0.2078



1.2028, 0.1968, 0.2286

Inverse Universe

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



35.7446, 0.3514, 0.2594



40.4910, 0.3634, 0.2452



64.0691, 0.3815, 0.4193



13.8480, 0.3192, 0.3141



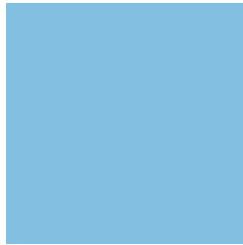
10.4160, 0.4365, 0.2178



0.7389, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 47.4437, 0.2480, 0.2840 looks on a white background.

Color Contrast Check

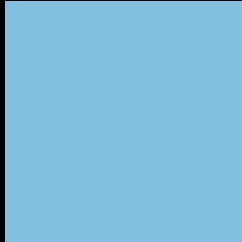
Large Text (above 18pt) WCAG AA × Fail

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 47.4437, 0.2480, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

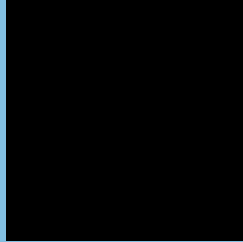
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4437, 0.2480, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 47.4437, 0.2480, 0.2840.

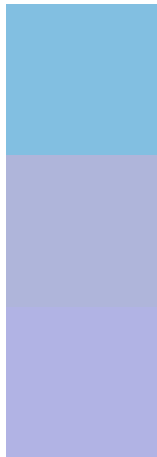


This preview shows how white text looks on a background with the Yxy color 47.4437, 0.2480, 0.2840.

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

47.4437, 0.2480, 0.2840

Protanopia

47.2237, 0.2805, 0.2827

Deuteranopia

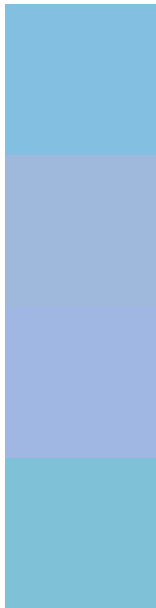
47.1887, 0.2751, 0.2690



Tritanopia

47.6226, 0.2551, 0.3083

Trichromacy



Original Color

47.4437, 0.2480, 0.2840

Protanomaly

47.2893, 0.2674, 0.2829

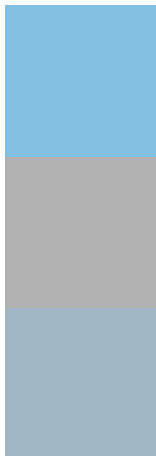
Deuteranomaly

46.8866, 0.2641, 0.2734

Tritanomaly

47.5583, 0.2521, 0.2991

Monochromacy



Original Color

47.4437, 0.2480, 0.2840

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8245, 0.2858, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4437, 0.2480, 0.2840 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(130, 191, 225)` looks like.

```
.text, #text, p{  
    color:rgb(130, 191, 225)  
}
```

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(130, 191, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 191, 225) }
```

Border

The CSS property to change the border of an element to Yxy 47.4437, 0.2480, 0.2840 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(130, 191, 225) }
```

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

```
.border{ border-color:rgb(130, 191, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 191, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 191, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 191, 225);  
box-shadow:4px 4px 4px 4px rgb(130, 191,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4437, 0.2480, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 191, 225) }
```

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

```
.background{ background-color: rgb(130,  
191, 225) }
```

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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