

Converting Colors

$Y_{xy}(41.2800, 0.2488, 0.2771)$

Have a look what the booklet for
Yxy(41.2800, 0.2488, 0.2771)
contains.

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Color

Yxy(41.3363, 0.2494, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	80B2D7
RGB	128, 178, 215
RGB Percent	50%, 70%, 84%
CMY	0.4977, 0.3020, 0.1569
CMYK	0.40, 0.17, 0.00, 0.16
HSL	206°, 52%, 67%
HSV	206°, 40%, 84%
XYZ	37.0971, 41.3363, 70.3119
YIQ	167.2680, -41.6770, 0.9070

Conversions

Conversions Part 2

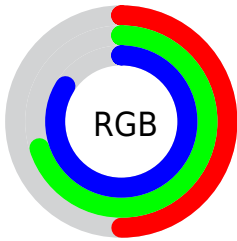
Format	Color
RYB	128, 160, 215
Decimal	8434391
CIELab	70.41, -7.06, -23.89
CIELCh	70, 24.907, 253.535
Yxy	41.3363, 0.2494, 0.2779
Android (android.graphics.Color)	4286624471 (0xFF80B2D7)
YUV	167.2680, 23.5319, -34.4380
Hunter-Lab	64.2933, -9.5193, -19.8349

Details

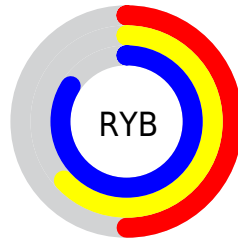
The Yxy color **41.3363, 0.2494, 0.2779** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.9526, 0.3958, 0.3745**, and the grayscale version is **38.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2560, 0.2697, 0.3059**, and **18.6611, 0.2319, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **36.3199, 0.2345, 0.2625**, and if you desaturate by 10%, it is **46.9523, 0.2650, 0.2923**.

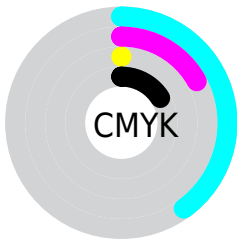
Distribution



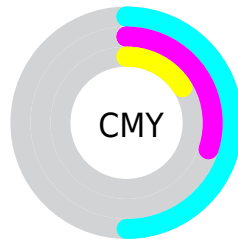
- Red (50%)
- Green (70%)
- Blue (84%)



- Red (50%)
- Yellow (63%)
- Blue (84%)



- Cyan (40%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3363, 0.2494, 0.2779 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 41.3363, 0.2494, 0.2779 by changing the saturation by 10% instead.

■ 41.3363, 0.2494,
0.2779

■ 41.3363, 0.2494,
0.2779

■ 351.7242, 0.2809,
0.3039

■ 28.5820, 0.2417,
0.2713

■ 77.1941, 0.2608,
0.2874

■ 18.7648, 0.2318,
0.2629

■ 101.0664, 0.2651,
0.2910

■ 11.5005, 0.2189,
0.2516

■ 129.4135, 0.2687,
0.2940

■ 6.4045, 0.2014,
0.2360

■ 162.6197, 0.2718,
0.2966

■ 3.0926, 0.1764,
0.2131

■ 201.0695, 0.2746,
0.2988

■ 1.1803, 0.1390,
0.1772

■ 245.1473, 0.2769,

■ 0.0455, 0.0000,

0.3007

0.0230

295.2374, 0.2790,
0.3024

0.0000, 0.0000,
0.0000

41.3363, 0.2494,
0.2779

41.3363, 0.2494,
0.2779

36.3199, 0.2345,
0.2625

46.9523, 0.2650,
0.2923

31.8712, 0.2206,
0.2464

53.1883, 0.2809,
0.3056

27.9618, 0.2083,
0.2298

60.0693, 0.2966,
0.3177

24.5581, 0.1980,
0.2132

67.6173, 0.3121,
0.3286

21.6208, 0.1898,
0.1969

75.8530, 0.3269,
0.3383

■ 19.1826, 0.1838,
0.1817

■ 84.3990, 0.3397,
0.3470

■ 89.7156, 0.3383,
0.3559

■ 95.3052, 0.3369,
0.3646

■ 97.6862, 0.3364,
0.3681

Harmonies

Analogous

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



41.3363, 0.2460, 0.3004



41.3363, 0.2494, 0.2779



41.3363, 0.2687, 0.2698

Triad

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



41.3363, 0.2494, 0.2779



41.3363, 0.3687, 0.3211



41.3363, 0.3218, 0.3900

Complementary

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



41.3363, 0.2494, 0.2779



42.9526, 0.3958, 0.3745

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.



41.3363, 0.3561, 0.3928



41.3363, 0.2494, 0.2779



41.3363, 0.3844, 0.3509

Square

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



41.3363, 0.2494, 0.2779



41.3363, 0.3372, 0.2944



41.3363, 0.3794, 0.3773



41.3363, 0.2864, 0.3676

Rectangle

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



41.3363, 0.2494, 0.2779



41.3363, 0.2887, 0.2725



41.3363, 0.3794, 0.3773



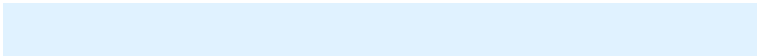
41.3363, 0.3338, 0.3932

Sweetspot

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



41.3379, 0.2494, 0.2779



86.6173, 0.2940, 0.3157



55.8872, 0.2858, 0.3998



18.2466, 0.2919, 0.3142



0.0000, 0.0000, 0.0000



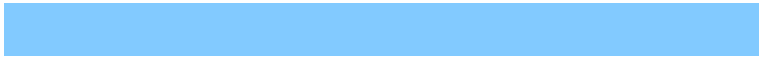
21.4041, 0.3127, 0.3290

Same Dimension

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



41.3379, 0.2494, 0.2779



54.1131, 0.2358, 0.2640



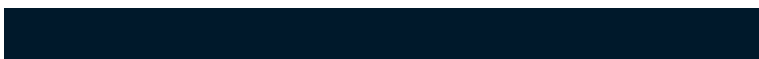
26.9216, 0.2397, 0.2159



13.1807, 0.2982, 0.3188



11.6878, 0.1845, 0.1841



0.8676, 0.1921, 0.2116

Inverse Universe

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



33.1213, 0.3557, 0.2690



41.4930, 0.3696, 0.2562



61.0005, 0.3759, 0.4213



12.5391, 0.3202, 0.3157



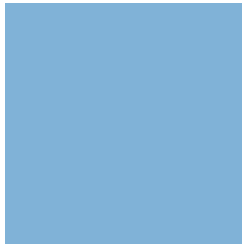
9.5247, 0.4637, 0.2328



0.5909, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 41.3363, 0.2494, 0.2779 looks on a white background.

Color Contrast Check

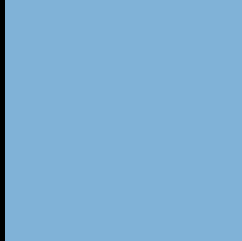
Large Text (above 18pt) WCAG AA × Fail

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 41.3363, 0.2494, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

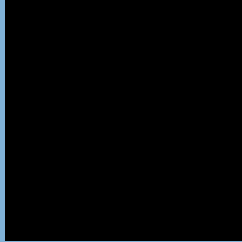
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

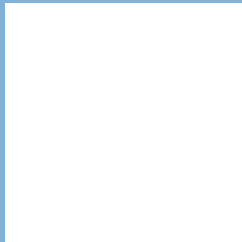
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3363, 0.2494, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 41.3363, 0.2494, 0.2779.



This preview shows how white text looks on a background with the Yxy color 41.3363, 0.2494, 0.2779.

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

41.3363, 0.2494, 0.2779

Protanopia

41.1394, 0.2765, 0.2775

Deuteranopia

41.0144, 0.2723, 0.2656



Tritanopia

41.2442, 0.2581, 0.3072

Trichromacy



Original Color

41.3363, 0.2494, 0.2779

Protanomaly

41.0743, 0.2657, 0.2778

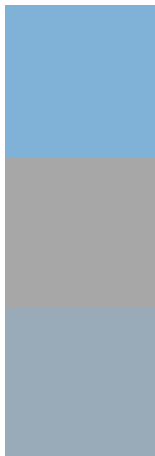
Deuteranomaly

41.1383, 0.2637, 0.2706

Tritanomaly

41.3143, 0.2549, 0.2962

Monochromacy



Original Color

41.3363, 0.2494, 0.2779

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3588, 0.2868, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3363, 0.2494, 0.2779 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(128, 178, 215)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 215)  
}
```

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(128, 178, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 215) }
```

Border

The CSS property to change the border of an element to Yxy 41.3363, 0.2494, 0.2779 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(128, 178, 215) }
```

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

```
.border{ border-color:rgb(128, 178, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 215);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3363, 0.2494, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 215) }
```

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

```
.background{ background-color: rgb(128,  
178, 215) }
```

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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