

Converting Colors

$Y_{xy}(41.1636, 0.2515, 0.2987)$

Have a look what the booklet for
Yxy(41.1636, 0.2515, 0.2987)
contains.

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Color

Yxy(41.1636, 0.2515, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	76B5CA
RGB	118, 181, 202
RGB Percent	46%, 71%, 79%
CMY	0.5371, 0.2902, 0.2079
CMYK	0.42, 0.10, 0.00, 0.21
HSL	195°, 44%, 63%
HSV	195°, 42%, 79%
XYZ	34.6590, 41.1636, 61.9866
YIQ	164.5570, -44.2890, -6.8250

Conversions

Conversions Part 2

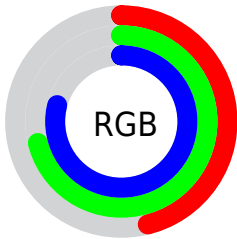
Format	Color
R _{YB}	118, 154, 202
Decimal	7779786
CIE Lab	70.29, -14.73, -16.98
CIE LCh	70, 22.478, 229.068
Yxy	41.1636, 0.2515, 0.2987
Android (android.graphics.Color)	4285969866 (0xFF76B5CA)
YUV	164.5570, 18.4594, -40.8305
Hunter-Lab	64.1589, -15.8512, -12.3713

Details

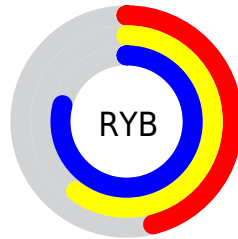
The Yxy color **41.1636, 0.2515, 0.2987** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3404, 0.4066, 0.3567**, and the grayscale version is **37.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7870, 0.2647, 0.3090**, and **18.6332, 0.2341, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **37.8816, 0.2388, 0.2900**, and if you desaturate by 10%, it is **44.8261, 0.2653, 0.3069**.

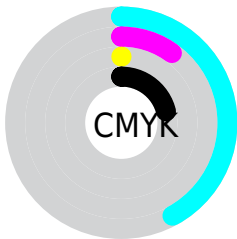
Distribution



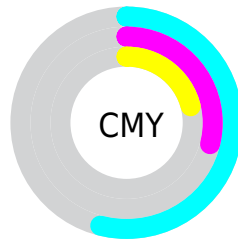
- Red (46%)
- Green (71%)
- Blue (79%)



- Red (46%)
- Yellow (60%)
- Blue (79%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)





- Cyan (54%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1636, 0.2515, 0.2987 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 41.1636, 0.2515, 0.2987 by changing the saturation by 10% instead.


 41.1636, 0.2515,
0.2987

 41.1636, 0.2515,
0.2987


351.0039, 0.2820,
0.3147

 28.4469, 0.2440,
0.2945


 76.9322, 0.2625,
0.3047

 18.6628, 0.2343,
0.2889


 100.7529, 0.2667,
0.3069

 11.4269, 0.2216,
0.2814


 129.0437, 0.2702,
0.3087

 6.3548, 0.2042,
0.2705

162.1891, 0.2733,
0.3103

 3.0620, 0.1791,
0.2535

200.5734, 0.2759,
0.3116

 1.1642, 0.1396,
0.2247

244.5811, 0.2782,

 0.0321, 0.0000,

0.3128

0.0252

294.5964, 0.2802,
0.3138

0.0000, 0.0000,
0.0000

41.1636, 0.2515,
0.2987

41.1636, 0.2515,
0.2987

37.8816, 0.2388,
0.2900

44.8261, 0.2653,
0.3069

34.9549, 0.2276,
0.2810

48.8829, 0.2799,
0.3146

32.3627, 0.2182,
0.2718

53.3526, 0.2950,
0.3216

30.0793, 0.2106,
0.2624

58.2513, 0.3103,
0.3281

28.0739, 0.2050,
0.2531

63.5942, 0.3256,
0.3339

■ 26.5508, 0.2015,
0.2454

■ 69.3954, 0.3405,
0.3390

■ 74.8166, 0.3517,
0.3438

■ 77.4502, 0.3507,
0.3488

■ 80.1642, 0.3497,
0.3538

Harmonies

Analogous

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



41.1636, 0.2608, 0.3273



41.1636, 0.2515, 0.2987



41.1636, 0.2574, 0.2803

Triad

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



41.1636, 0.2515, 0.2987



41.1636, 0.3408, 0.3017



41.1636, 0.3469, 0.3874

Complementary

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



41.1636, 0.2515, 0.2987



32.3404, 0.4066, 0.3567

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.



41.1636, 0.3703, 0.3765



41.1636, 0.2515, 0.2987



41.1636, 0.3671, 0.3270

Square

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



41.1636, 0.2515, 0.2987



41.1636, 0.3077, 0.2831



41.1636, 0.3780, 0.3540



41.1636, 0.3150, 0.3813

Rectangle

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



41.1636, 0.2515, 0.2987



41.1636, 0.2694, 0.2755



41.1636, 0.3780, 0.3540



41.1636, 0.3560, 0.3855

Sweetspot

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



41.1652, 0.2515, 0.2987



89.8659, 0.2941, 0.3212



47.9548, 0.2939, 0.4238



19.0129, 0.2921, 0.3203



0.0000, 0.0000, 0.0000



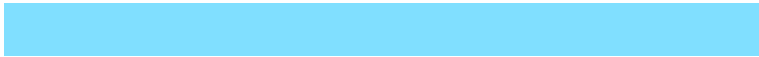
21.4041, 0.3127, 0.3290

Same Dimension

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



41.1652, 0.2515, 0.2987



64.6085, 0.2399, 0.2908



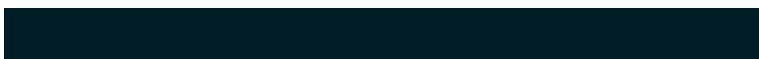
26.5937, 0.2411, 0.2342



12.2334, 0.2983, 0.3231



17.2352, 0.2019, 0.2466



1.0049, 0.2068, 0.2646

Inverse Universe

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



28.8593, 0.3399, 0.2504



41.9023, 0.3480, 0.2343



46.9125, 0.3841, 0.4081



11.3539, 0.3175, 0.3118



9.5429, 0.3956, 0.1953



0.5040, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 41.1636, 0.2515, 0.2987 looks on a white background.

Color Contrast Check

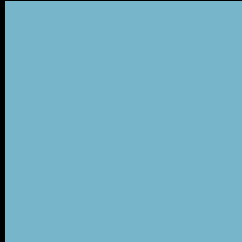
Large Text (above 18pt) WCAG AA × Fail

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 41.1636, 0.2515, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

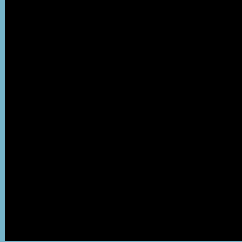
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

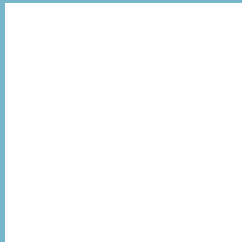
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1636, 0.2515, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 41.1636, 0.2515, 0.2987.



This preview shows how white text looks on a background with the Yxy color 41.1636, 0.2515, 0.2987.

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

41.1636, 0.2515, 0.2987

Protanopia

40.9051, 0.2900, 0.2954

Deuteranopia

40.7031, 0.2856, 0.2793



Tritanopia

41.2690, 0.2540, 0.3071

Trichromacy



Original Color

41.1636, 0.2515, 0.2987

Protanomaly

40.7389, 0.2738, 0.2957

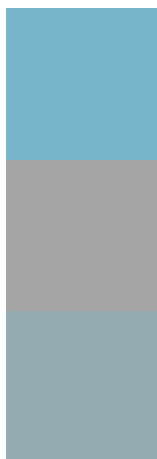
Deuteranomaly

40.5401, 0.2717, 0.2854

Tritanomaly

41.3613, 0.2529, 0.3043

Monochromacy



Original Color

41.1636, 0.2515, 0.2987

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.6361, 0.2872, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1636, 0.2515, 0.2987 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(118, 181, 202)` looks like.

```
.text, #text, p{  
    color:rgb(118, 181, 202)  
}
```

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(118, 181, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 181, 202) }
```

Border

The CSS property to change the border of an element to Yxy 41.1636, 0.2515, 0.2987 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(118, 181, 202) }
```

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

```
.border{ border-color:rgb(118, 181, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 181, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 181, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 181, 202); box-shadow:4px 4px 4px 4px rgb(118, 181, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1636, 0.2515, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 181, 202) }
```

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

```
.background{ background-color: rgb(118,  
181, 202) }
```

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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