

Converting Colors

$Yxy(41.1106, 0.2492, 0.2699)$

Have a look what the booklet for
Yxy(41.1106, 0.2492, 0.2699)
contains.

Yxy(41.1517, 0.2497, 0.2706)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.1517, 0.2497, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	85B0DB
RGB	133, 176, 219
RGB Percent	52%, 69%, 86%
CMY	0.4787, 0.3097, 0.1412
CMYK	0.39, 0.20, 0.00, 0.14
HSL	210°, 54%, 69%
HSV	210°, 39%, 86%
XYZ	37.9733, 41.1517, 72.9507
YIQ	168.0450, -39.4310, 4.2570

Conversions

Conversions Part 2

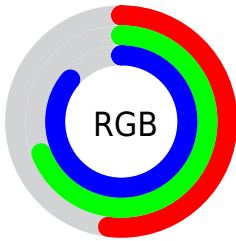
Format	Color
RYB	133, 162, 219
Decimal	8761563
CIELab	70.28, -3.65, -26.24
CIElCh	70, 26.496, 262.084
Yxy	41.1517, 0.2497, 0.2706
Android (android.graphics.Color)	4286951643 (0xFF85B0DB)
YUV	168.0450, 25.1208, -30.7345
Hunter-Lab	64.1496, -6.5988, -22.5197

Details

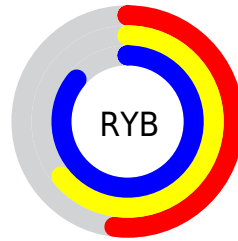
The Yxy color $41.1517, 0.2497, 0.2706$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $47.7559, 0.3900, 0.3805$, and the grayscale version is $39.0633, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1906, 0.2722, 0.3027$, and $18.7579, 0.2324, 0.2544$ is the 20% darker color. If you saturate the color by 10%, you get $35.4375, 0.2338, 0.2525$, and if you desaturate by 10%, it is $47.5858, 0.2661, 0.2875$.

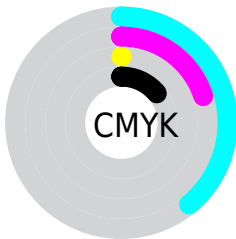
Distribution



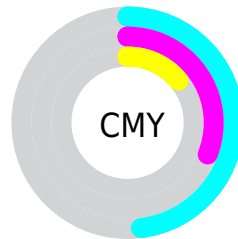
- Red (52%)
- Green (69%)
- Blue (86%)



- Red (52%)
- Yellow (64%)
- Blue (86%)



- Cyan (39%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1517, 0.2497, 0.2706 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 41.1517, 0.2497, 0.2706 by changing the saturation by 10% instead.

■ 41.1517, 0.2497,
0.2706

■ 41.1517, 0.2497,
0.2706

■ 350.9542, 0.2811,
0.3000

■ 28.4376, 0.2420,
0.2633

■ 76.9141, 0.2610,
0.2813

■ 18.6558, 0.2322,
0.2539

■ 100.7313, 0.2653,
0.2853

■ 11.4218, 0.2193,
0.2415

■ 129.0183, 0.2689,
0.2887

■ 6.3513, 0.2019,
0.2245

■ 162.1594, 0.2721,
0.2916

■ 3.0599, 0.1771,
0.2000

■ 200.5392, 0.2748,
0.2942

■ 1.1631, 0.1401,
0.1626

■ 244.5420, 0.2771,

■ 0.0312, 0.0000,

0.2964

0.0141

294.5522, 0.2792,
0.2983

0.0000, 0.0000,
0.0000

41.1517, 0.2497,
0.2706

41.1517, 0.2497,
0.2706

35.4375, 0.2338,
0.2525

47.5858, 0.2661,
0.2875

30.4071, 0.2187,
0.2334

54.7642, 0.2824,
0.3031

26.0278, 0.2052,
0.2138

62.7157, 0.2984,
0.3172

22.2613, 0.1935,
0.1943

71.4659, 0.3138,
0.3298

19.0637, 0.1842,
0.1753

81.0393, 0.3284,
0.3411

■ 16.3683, 0.1772,
0.1574

■ 89.6495, 0.3358,
0.3514

■ 16.1938, 0.1767,
0.1562

■ 96.3392, 0.3343,
0.3618

■ 97.8939, 0.3340,
0.3641

Harmonies

Analogous

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



41.1517, 0.2411, 0.2902



41.1517, 0.2497, 0.2706



41.1517, 0.2743, 0.2666

Triad

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



41.1517, 0.2497, 0.2706



41.1517, 0.3793, 0.3294



41.1517, 0.3111, 0.3894

Complementary

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



41.1517, 0.2497, 0.2706



47.7559, 0.3900, 0.3805

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.



41.1517, 0.3491, 0.3984



41.1517, 0.2497, 0.2706



41.1517, 0.3899, 0.3607

Square

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



41.1517, 0.2497, 0.2706



41.1517, 0.3495, 0.2997



41.1517, 0.3783, 0.3866



41.1517, 0.2751, 0.3605

Rectangle

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



41.1517, 0.2497, 0.2706



41.1517, 0.2976, 0.2722



41.1517, 0.3783, 0.3866



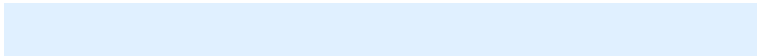
41.1517, 0.3241, 0.3949

Sweetspot

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



41.1533, 0.2497, 0.2706



85.2891, 0.2939, 0.3134



58.7134, 0.2830, 0.3894



17.9340, 0.2918, 0.3116



0.0000, 0.0000, 0.0000



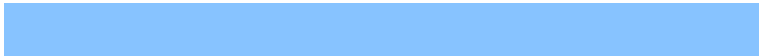
21.4041, 0.3127, 0.3290

Same Dimension

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



41.1533, 0.2497, 0.2706



51.4894, 0.2367, 0.2560



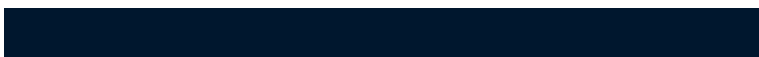
27.2425, 0.2407, 0.2114



13.6892, 0.2982, 0.3170



9.8225, 0.1775, 0.1588



0.8087, 0.1857, 0.1883

Inverse Universe

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



34.9471, 0.3611, 0.2778



42.5776, 0.3757, 0.2675



66.6613, 0.3719, 0.4246



13.1598, 0.3214, 0.3173



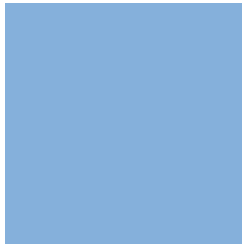
9.6154, 0.4946, 0.2498



0.6403, 0.4587, 0.2301

Previews

White Background



This preview shows how the Yxy color 41.1517, 0.2497, 0.2706 looks on a white background.

Color Contrast Check

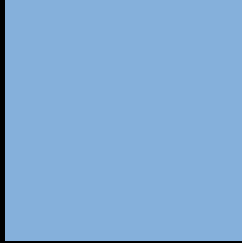
Large Text (above 18pt) WCAG AA × Fail

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 41.1517, 0.2497, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

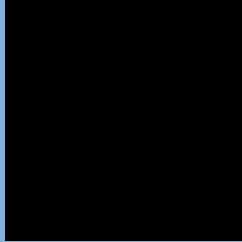
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

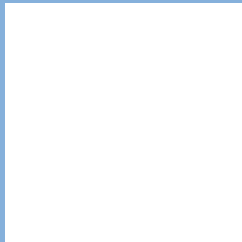
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1517, 0.2497, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 41.1517, 0.2497, 0.2706.

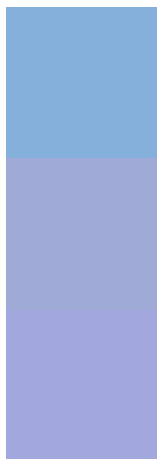


This preview shows how white text looks on a background with the Yxy color 41.1517, 0.2497, 0.2706.

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

41.1517, 0.2497, 0.2706

Protanopia

41.0781, 0.2707, 0.2712

Deuteranopia

40.9071, 0.2673, 0.2606



Tritanopia

41.0947, 0.2611, 0.3073

Trichromacy



Original Color

41.1517, 0.2497, 0.2706

Protanomaly

40.9469, 0.2623, 0.2704

Deuteranomaly

40.8724, 0.2603, 0.2644

Tritanomaly

41.2670, 0.2567, 0.2937

Monochromacy



Original Color

41.1517, 0.2497, 0.2706

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.6822, 0.2862, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1517, 0.2497, 0.2706 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(133, 176, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 176, 219)  
}
```

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(133, 176, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 176, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.1517, 0.2497, 0.2706 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(133, 176, 219) }
```

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

```
.border{ border-color:rgb(133, 176, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 176, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 176, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 176, 219);  
box-shadow:4px 4px 4px 4px rgb(133, 176,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1517, 0.2497, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 176, 219) }
```

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

```
.background{ background-color: rgb(133,  
176, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor