

Converting Colors

$Y_{xy}(40.4082, 0.2511, 0.2609)$

Have a look what the booklet for
Yxy(40.4082, 0.2511, 0.2609)
contains.

Yxy(40.4082, 0.2511, 0.2609)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.4082, 0.2511, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	8CACDF
RGB	140, 172, 223
RGB Percent	55%, 67%, 87%
CMY	0.4510, 0.3255, 0.1254
CMYK	0.37, 0.23, 0.00, 0.13
HSL	217°, 56%, 71%
HSV	217°, 37%, 87%
XYZ	38.8904, 40.4082, 75.5815
YIQ	168.2460, -35.4430, 9.0770

Conversions

Conversions Part 2

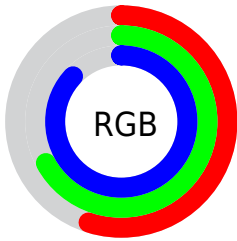
Format	Color
RYB	140, 163, 223
Decimal	9219295
CIELab	69.76, 1.55, -29.22
CIELCh	70, 29.265, 273.026
Yxy	40.4082, 0.2511, 0.2609
Android (android.graphics.Color)	4287409375 (0xFF8CACDF)
YUV	168.2460, 26.9937, -24.7717
Hunter-Lab	63.5674, -2.0373, -25.9984

Details

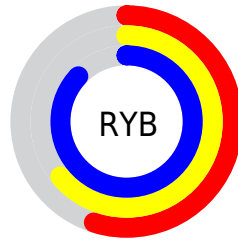
The Yxy color **40.4082, 0.2511, 0.2609** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.8639, 0.3810, 0.3884**, and the grayscale version is **39.1646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8939, 0.2760, 0.2986**, and **18.2385, 0.2334, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **33.7128, 0.2337, 0.2385**, and if you desaturate by 10%, it is **48.0376, 0.2685, 0.2817**.

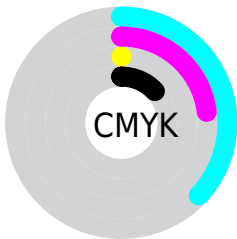
Distribution



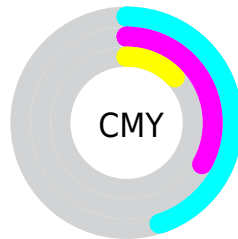
- Red (55%)
- Green (67%)
- Blue (87%)



- Red (55%)
- Yellow (64%)
- Blue (87%)



- Cyan (37%)
- Magenta (23%)
- Yellow (0%)
- Black (13%)





- Cyan (45%)
- Magenta (33%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4082, 0.2511, 0.2609 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 40.4082, 0.2511, 0.2609 by changing the saturation by 10% instead.


 40.4082, 0.2511,
0.2609


 40.4082, 0.2511,
0.2609


347.8411, 0.2820,
0.2949

 27.8570, 0.2435,
0.2526


 75.7847, 0.2623,
0.2732

 18.2179, 0.2338,
0.2420


 99.3788, 0.2665,
0.2778

 11.1065, 0.2211,
0.2281


127.4225, 0.2701,
0.2817

 6.1385, 0.2038,
0.2094

160.3004, 0.2731,
0.2851

 2.9295, 0.1792,
0.1829

198.3968, 0.2758,
0.2880

 1.0950, 0.1425,
0.1438

242.0961, 0.2781,

 0.0000, 0.0050,

0.2906

0.0000

291.7828, 0.2801,
0.2928

0.0000, 0.0000,
0.0000

40.4082, 0.2511,
0.2609

40.4082, 0.2511,
0.2609

33.7128, 0.2337,
0.2385

48.0376, 0.2685,
0.2817

27.9067, 0.2169,
0.2150

56.6338, 0.2855,
0.3007

22.9479, 0.2013,
0.1911

66.2336, 0.3016,
0.3178

18.7886, 0.1877,
0.1675

76.8701, 0.3168,
0.3330

15.3744, 0.1767,
0.1452

88.5750, 0.3310,
0.3465

■ 12.6389, 0.1686,
0.1251

■ 97.6319, 0.3316,
0.3594

■ 11.9756, 0.1666,
0.1199

■ 98.1093, 0.3315,
0.3601

Harmonies

Analogous

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



40.4082, 0.2350, 0.2759



40.4082, 0.2511, 0.2609



40.4082, 0.2836, 0.2628

Triad

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



40.4082, 0.2511, 0.2609



40.4082, 0.3940, 0.3418



40.4082, 0.2953, 0.3870

Complementary

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



40.4082, 0.2511, 0.2609



54.8639, 0.3810, 0.3884

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.



40.4082, 0.3379, 0.4058



40.4082, 0.2511, 0.2609



40.4082, 0.3965, 0.3752

Square

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



40.4082, 0.2511, 0.2609



40.4082, 0.3675, 0.3078



40.4082, 0.3753, 0.3998



40.4082, 0.2591, 0.3490

Rectangle

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



40.4082, 0.2511, 0.2609



40.4082, 0.3114, 0.2726



40.4082, 0.3753, 0.3998



40.4082, 0.3093, 0.3959

Sweetspot

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



40.4097, 0.2511, 0.2609



84.5515, 0.2955, 0.3115



62.0766, 0.2789, 0.3724



17.7154, 0.2933, 0.3091



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.



40.4097, 0.2511, 0.2609



47.2929, 0.2370, 0.2428



30.4121, 0.2512, 0.2184



14.1050, 0.2981, 0.3142



7.2428, 0.1674, 0.1226



0.6718, 0.1760, 0.1535

Inverse Universe

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



37.4291, 0.3679, 0.2914



43.5697, 0.3859, 0.2833



69.0901, 0.3620, 0.4233



13.7875, 0.3232, 0.3200



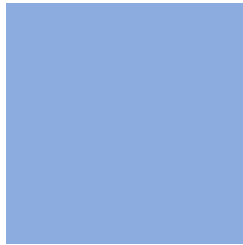
9.6392, 0.5429, 0.2764



0.6853, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 40.4082, 0.2511, 0.2609 looks on a white background.

Color Contrast Check

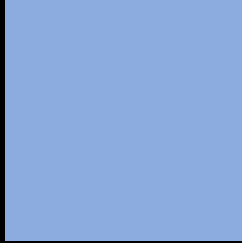
Large Text (above 18pt) WCAG AA × Fail

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 40.4082, 0.2511, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

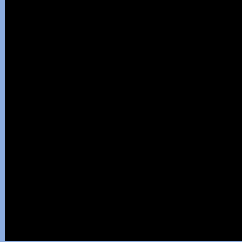
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

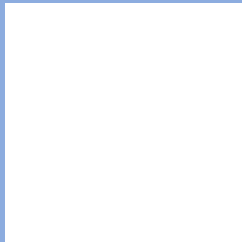
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4082, 0.2511, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 40.4082, 0.2511, 0.2609.



This preview shows how white text looks on a background with the Yxy color 40.4082, 0.2511, 0.2609.

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

40.4082, 0.2511, 0.2609

Protanopia

40.2405, 0.2635, 0.2610

Deuteranopia

40.1873, 0.2615, 0.2552



Tritanopia

40.5521, 0.2661, 0.3087

Trichromacy



Original Color

40.4082, 0.2511, 0.2609

Protanomaly

40.0804, 0.2586, 0.2604

Deuteranomaly

40.3371, 0.2575, 0.2571

Tritanomaly

40.5134, 0.2607, 0.2910

Monochromacy



Original Color

40.4082, 0.2511, 0.2609

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2759, 0.2878, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4082, 0.2511, 0.2609 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(140, 172, 223)` looks like.

```
.text, #text, p{  
    color:rgb(140, 172, 223)  
}
```

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(140, 172, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 172, 223) }
```

Border

The CSS property to change the border of an element to Yxy 40.4082, 0.2511, 0.2609 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(140, 172, 223) }
```

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

```
.border{ border-color:rgb(140, 172, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 172, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 172, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 172, 223);  
box-shadow:4px 4px 4px 4px rgb(140, 172,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4082, 0.2511, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 172, 223) }
```

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

```
.background{ background-color: rgb(140,  
172, 223) }
```

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