

Converting Colors

$Y_{xy}(30.1635, 0.2518, 0.2510)$

Have a look what the booklet for
Yxy(30.1635, 0.2518, 0.2510)
contains.

Yxy(30.0640, 0.2521, 0.2511)	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(30.0640, 0.2521, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	8194C9
RGB	129, 148, 201
RGB Percent	51%, 58%, 79%
CMY	0.4942, 0.4196, 0.2117
CMYK	0.36, 0.26, 0.00, 0.21
HSL	224°, 40%, 65%
HSV	224°, 36%, 79%
XYZ	30.1837, 30.0640, 59.4815
YIQ	148.3610, -28.3370, 12.4550

Conversions

Conversions Part 2

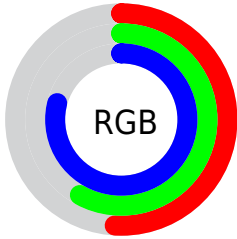
Format	Color
R_{YB}	129, 144, 201
Decimal	8492233
CIE _{Lab}	61.71, 6.17, -29.51
CIE _{LCh}	62, 30.151, 281.811
Yxy	30.0640, 0.2521, 0.2511
Android (android.graphics.Color)	4286682313 (0xFF8194C9)
YUV	148.3610, 25.9510, -16.9796
Hunter-Lab	54.8306, 2.3088, -25.9376

Details

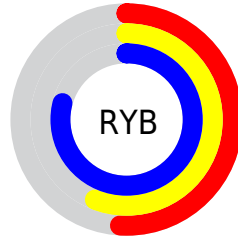
The Yxy color **30.0640, 0.2521, 0.2511** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.4521, 0.3738, 0.3961**, and the grayscale version is **29.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6514, 0.2660, 0.2692**, and **12.4197, 0.2332, 0.2281** is the 20% darker color. If you saturate the color by 10%, you get **24.2957, 0.2334, 0.2246**, and if you desaturate by 10%, it is **36.7371, 0.2703, 0.2758**.

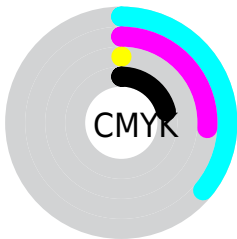
Distribution



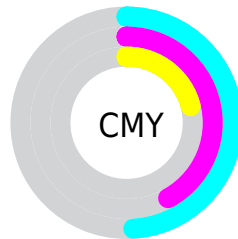
- Red (51%)
- Green (58%)
- Blue (79%)



- Red (51%)
- Yellow (56%)
- Blue (79%)



- Cyan (36%)
- Magenta (26%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (42%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0640, 0.2521, 0.2511 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 30.0640, 0.2521, 0.2511 by changing the saturation by 10% instead.

■ 30.0640, 0.2521,
0.2511

■ 30.0640, 0.2521,
0.2511

302.2027, 0.2841,
0.2913

■ 19.8872, 0.2437,
0.2408

■ 59.7634, 0.2641,
0.2660

■ 12.3131, 0.2327,
0.2275

■ 80.0547, 0.2684,
0.2715

■ 6.9573, 0.2177,
0.2096

■ 104.4863, 0.2721,
0.2761

■ 3.4354, 0.1965,
0.1849

133.4427, 0.2752,
0.2801

■ 1.3630, 0.1646,
0.1489

167.3080, 0.2779,
0.2835

■ 0.1892, 0.0954,
0.0546

206.4669, 0.2802,

■ 0.0000, 0.0000,

0.2864

0.0000

251.3037, 0.2823,
0.2890

■ 30.0640, 0.2521,
0.2511

■ 30.0640, 0.2521,
0.2511

■ 24.2957, 0.2334,
0.2246

■ 36.7371, 0.2703,
0.2758

■ 19.3882, 0.2150,
0.1969

■ 44.3495, 0.2877,
0.2982

■ 15.2988, 0.1977,
0.1691

■ 52.9378, 0.3039,
0.3183

■ 11.9796, 0.1825,
0.1424

■ 62.5358, 0.3187,
0.3361

■ 9.3767, 0.1702,
0.1183

■ 73.1756, 0.3322,
0.3517

■ 7.4274, 0.1615,
0.0981

■ 84.8877, 0.3444,
0.3653

■ 6.7749, 0.1586,
0.0909

■ 94.8095, 0.3454,
0.3788

■ 96.9979, 0.3448,
0.3820

Harmonies

Analogous

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



30.0640, 0.2284, 0.2618



30.0640, 0.2521, 0.2511



30.0640, 0.2928, 0.2587

Triad

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



30.0640, 0.2521, 0.2511



30.0640, 0.4090, 0.3542



30.0640, 0.2794, 0.3843

Complementary

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



30.0640, 0.2521, 0.2511



47.4521, 0.3738, 0.3961

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.



30.0640, 0.3266, 0.4137



30.0640, 0.2521, 0.2511



30.0640, 0.4031, 0.3903

Square

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



30.0640, 0.2521, 0.2511



30.0640, 0.3863, 0.3155



30.0640, 0.3722, 0.4141



30.0640, 0.2429, 0.3370

Rectangle

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



30.0640, 0.2521, 0.2511



30.0640, 0.3257, 0.2725



30.0640, 0.3722, 0.4141



30.0640, 0.2945, 0.3970

Sweetspot

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



30.0652, 0.2521, 0.2511



82.5948, 0.2954, 0.3080



49.8162, 0.2742, 0.3560



17.2511, 0.2932, 0.3052



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.



30.0652, 0.2521, 0.2511



43.6692, 0.2376, 0.2307



26.0015, 0.2629, 0.2263



10.7357, 0.2983, 0.3115



4.3883, 0.1592, 0.0932



0.3303, 0.1711, 0.1357

Inverse Universe

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



30.2511, 0.3750, 0.3042



44.6866, 0.3953, 0.2989



53.5822, 0.3517, 0.4219



10.6822, 0.3249, 0.3229



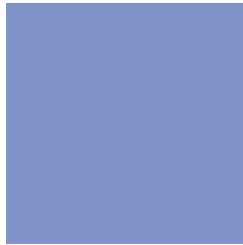
7.9830, 0.5862, 0.3003



0.3904, 0.5248, 0.2665

Previews

White Background



This preview shows how the Yxy color 30.0640, 0.2521, 0.2511 looks on a white background.

Color Contrast Check

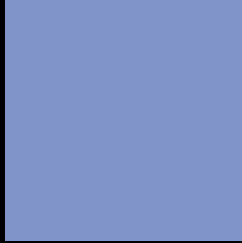
Large Text (above 18pt) WCAG AA × Fail

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 30.0640, 0.2521, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

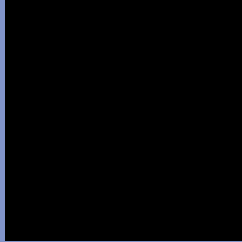
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0640, 0.2521, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 30.0640, 0.2521, 0.2511.



This preview shows how white text looks on a background with the Yxy color 30.0640, 0.2521, 0.2511.

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

30.0640, 0.2521, 0.2511

Protanopia

30.1059, 0.2565, 0.2517

Deuteranopia

30.1528, 0.2558, 0.2504



Tritanopia

29.9662, 0.2714, 0.3079

Trichromacy



Original Color

30.0640, 0.2521, 0.2511

Protanomaly

29.9431, 0.2549, 0.2513

Deuteranomaly

29.9900, 0.2543, 0.2501

Tritanomaly

29.9962, 0.2645, 0.2866

Monochromacy



Original Color

30.0640, 0.2521, 0.2511

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6325, 0.2885, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0640, 0.2521, 0.2511 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(129, 148, 201)` looks like.

```
.text, #text, p{  
    color:rgb(129, 148, 201)  
}
```

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(129, 148, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 148, 201) }
```

Border

The CSS property to change the border of an element to Yxy 30.0640, 0.2521, 0.2511 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(129, 148, 201) }
```

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

```
.border{ border-color:rgb(129, 148, 201) }
```

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

Here you see how a box with a 4 pixel rgb(129, 148, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 148, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 148, 201);  
box-shadow:4px 4px 4px 4px rgb(129, 148,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0640, 0.2521, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 148, 201) }
```

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

```
.background{ background-color: rgb(129,  
148, 201) }
```

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