

Converting Colors

$Y_{xy}(36.8006, 0.2730, 0.2721)$

Have a look what the booklet for
Yxy(36.8006, 0.2730, 0.2721)
contains.

Yxy(36.6716, 0.2726, 0.2713)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6716, 0.2726, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	9AA1CB
RGB	154, 161, 203
RGB Percent	60%, 63%, 80%
CMY	0.3962, 0.3686, 0.2038
CMYK	0.24, 0.21, 0.00, 0.20
HSL	231°, 32%, 70%
HSV	231°, 24%, 80%
XYZ	36.8473, 36.6716, 61.6510
YIQ	163.6950, -17.6540, 11.5780

Conversions

Conversions Part 2

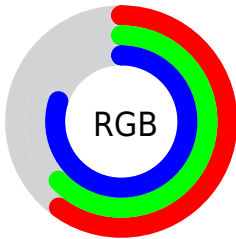
Format	Color
RYB	154, 160, 203
Decimal	10133963
CIELab	67.03, 6.69, -22.30
CIELCh	67, 23.286, 286.702
Yxy	36.6716, 0.2726, 0.2713
Android (android.graphics.Color)	4288324043 (0xFF9AA1CB)
YUV	163.6950, 19.3774, -8.5025
Hunter-Lab	60.5571, 2.6375, -17.9711

Details

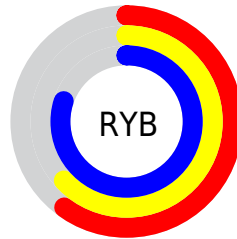
The Yxy color **36.6716, 0.2726, 0.2713** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5003, 0.3507, 0.3808**, and the grayscale version is **36.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8870, 0.2832, 0.2873**, and **16.1466, 0.2603, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **29.1869, 0.2535, 0.2428**, and if you desaturate by 10%, it is **45.3410, 0.2903, 0.2972**.

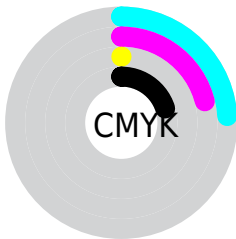
Distribution



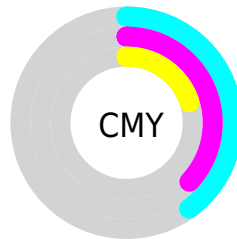
- Red (60%)
- Green (63%)
- Blue (80%)



- Red (60%)
- Yellow (63%)
- Blue (80%)



- Cyan (24%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6716, 0.2726, 0.2713 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 36.6716, 0.2726, 0.2713 by changing the saturation by 10% instead.

■ 36.6716, 0.2726,
0.2713

■ 36.6716, 0.2726,
0.2713

■ 331.8865, 0.2934,
0.3005

■ 24.9533, 0.2672,
0.2640

■ 70.0674, 0.2803,
0.2820

■ 16.0423, 0.2603,
0.2545

■ 92.5137, 0.2831,
0.2859

■ 9.5541, 0.2508,
0.2420

■ 119.3049, 0.2855,
0.2893

■ 5.1043, 0.2374,
0.2246

■ 150.8252, 0.2875,
0.2922

■ 2.3086, 0.2171,
0.1990

■ 187.4592, 0.2893,
0.2947

■ 0.7783, 0.1835,
0.1579

■ 229.5911, 0.2908,

■ 0.0000, 0.0000,

0.2969

0.0000

277.6054, 0.2922,
0.2988

■ 36.6716, 0.2726,
0.2713

■ 36.6716, 0.2726,
0.2713

■ 29.1869, 0.2535,
0.2428

■ 45.3410, 0.2903,
0.2972

■ 22.8309, 0.2336,
0.2123

■ 55.2390, 0.3065,
0.3202

■ 17.5496, 0.2137,
0.1807

■ 66.4129, 0.3210,
0.3405

■ 13.2827, 0.1949,
0.1497

■ 78.9059, 0.3338,
0.3581

■ 9.9641, 0.1783,
0.1211

■ 92.6693, 0.3449,
0.3735

■ 7.5192, 0.1653,
0.0968

■ 97.0930, 0.3436,
0.3800

■ 5.8619, 0.1565,
0.0786

■ 5.2002, 0.1530,
0.0709

Harmonies

Analogous

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



36.6716, 0.2523, 0.2777



36.6716, 0.2726, 0.2713



36.6716, 0.3044, 0.2788

Triad

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



36.6716, 0.2726, 0.2713



36.6716, 0.3829, 0.3534



36.6716, 0.2838, 0.3633

Complementary

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



36.6716, 0.2726, 0.2713



54.5003, 0.3507, 0.3808

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.



36.6716, 0.3178, 0.3868



36.6716, 0.2726, 0.2713



36.6716, 0.3760, 0.3783

Square

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



36.6716, 0.2726, 0.2713



36.6716, 0.3696, 0.3244



36.6716, 0.3518, 0.3917



36.6716, 0.2584, 0.3298

Rectangle

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



36.6716, 0.2726, 0.2713



36.6716, 0.3285, 0.2904



36.6716, 0.3518, 0.3917



36.6716, 0.2946, 0.3729

Sweetspot

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



36.6731, 0.2726, 0.2713



87.4028, 0.3019, 0.3138



53.5601, 0.2820, 0.3386



18.4860, 0.3010, 0.3124



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.



36.6731, 0.2726, 0.2713



54.6070, 0.2628, 0.2567



36.0845, 0.2865, 0.2641



11.0998, 0.2982, 0.3085



3.3898, 0.1535, 0.0724



0.2609, 0.1617, 0.1020

Inverse Universe

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



38.3722, 0.3555, 0.3201



58.1195, 0.3680, 0.3181



55.4760, 0.3347, 0.3917



11.2395, 0.3268, 0.3257



8.1452, 0.6193, 0.3185



0.4289, 0.5729, 0.2930

Previews

White Background



This preview shows how the Yxy color 36.6716, 0.2726, 0.2713 looks on a white background.

Color Contrast Check

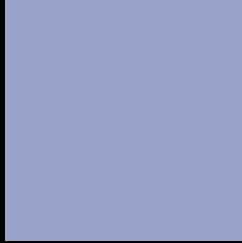
Large Text (above 18pt) WCAG AA × Fail

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 36.6716, 0.2726, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

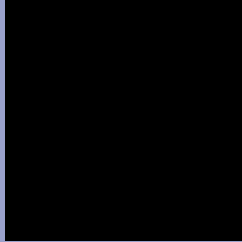
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6716, 0.2726, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 36.6716, 0.2726, 0.2713.



This preview shows how white text looks on a background with the Yxy color 36.6716, 0.2726, 0.2713.

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

36.6716, 0.2726, 0.2713

Protanopia

36.5738, 0.2718, 0.2712

Deuteranopia

36.7225, 0.2758, 0.2704



Tritanopia

36.5545, 0.2869, 0.3086

Trichromacy



Original Color

36.6716, 0.2726, 0.2713

Protanomaly

36.5738, 0.2718, 0.2712

Deuteranomaly

36.6215, 0.2750, 0.2703

Tritanomaly

36.7611, 0.2816, 0.2948

Monochromacy



Original Color

36.6716, 0.2726, 0.2713

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.8823, 0.2972, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6716, 0.2726, 0.2713 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(154, 161, 203)` looks like.

```
.text, #text, p{  
    color:rgb(154, 161, 203)  
}
```

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(154, 161, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 161, 203) }
```

Border

The CSS property to change the border of an element to Yxy 36.6716, 0.2726, 0.2713 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(154, 161, 203) }
```

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

```
.border{ border-color:rgb(154, 161, 203) }
```

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

Here you see how a box with a 4 pixel rgb(154, 161, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 161, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 161, 203);  
box-shadow:4px 4px 4px 4px rgb(154, 161,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6716, 0.2726, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 161, 203) }
```

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

```
.background{ background-color: rgb(154,  
161, 203) }
```

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