

Converting Colors

$Y_{xy}(40.6536, 0.2713, 0.2710)$

Have a look what the booklet for
Yxy(40.6536, 0.2713, 0.2710)
contains.

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Color

Yxy(40.6536, 0.2713, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	A0A9D5
RGB	160, 169, 213
RGB Percent	63%, 66%, 84%
CMY	0.3725, 0.3373, 0.1647
CMYK	0.25, 0.21, 0.00, 0.16
HSL	230°, 39%, 73%
HSV	230°, 25%, 84%
XYZ	40.6986, 40.6536, 68.6611
YIQ	171.3250, -19.4880, 11.7760

Conversions

Conversions Part 2

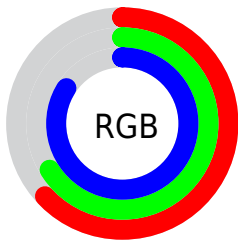
Format	Color
R_{YB}	160, 168, 213
Decimal	10529237
CIE Lab	69.93, 6.46, -23.35
CIE LCh	70, 24.225, 285.476
Yxy	40.6536, 0.2713, 0.2710
Android (android.graphics.Color)	4288719317 (0xFFA0A9D5)
YUV	171.3250, 20.5458, -9.9320
Hunter-Lab	63.7602, 2.3576, -19.2152

Details

The Yxy color $40.6536, 0.2713, 0.2710$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $59.8872, 0.3524, 0.3810$, and the grayscale version is $40.8007, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.9784, 0.2875, 0.2964$, and $18.3170, 0.2589, 0.2551$ is the 20% darker color. If you saturate the color by 10%, you get $32.5014, 0.2523, 0.2431$, and if you desaturate by 10%, it is $50.0758, 0.2891, 0.2964$.

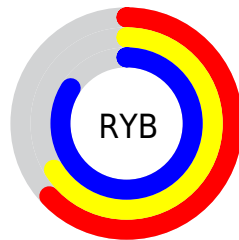
Distribution



Red (63%)

Green (66%)

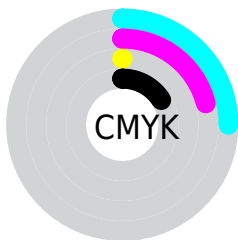
Blue (84%)



Red (63%)

Yellow (66%)

Blue (84%)

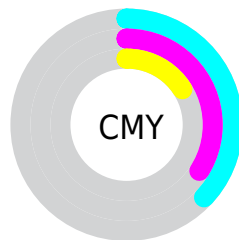


Cyan (25%)

Magenta (21%)

Yellow (0%)

Black (16%)



Cyan (37%)

Magenta (34%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6536, 0.2713, 0.2710 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 40.6536, 0.2713, 0.2710 by changing the saturation by 10% instead.

■ 40.6536, 0.2713,
0.2710

■ 40.6536, 0.2713,
0.2710

■ 348.8708, 0.2923,
0.2998

■ 28.0485, 0.2660,
0.2639

■ 76.1578, 0.2790,
0.2814

■ 18.3622, 0.2591,
0.2549

■ 99.8256, 0.2819,
0.2853

■ 11.2104, 0.2500,
0.2430

■ 127.9499, 0.2843,
0.2887

■ 6.2085, 0.2373,
0.2267

■ 160.9149, 0.2864,
0.2915

■ 2.9723, 0.2186,
0.2034

■ 199.1051, 0.2882,
0.2940

■ 1.1173, 0.1886,
0.1676

■ 242.9049, 0.2897,

■ 0.0000, 0.0778,

0.2962

0.0000

292.6987, 0.2911,
0.2981

0.0000, 0.0000,
0.0000

40.6536, 0.2713,
0.2710

40.6536, 0.2713,
0.2710

32.5014, 0.2523,
0.2431

50.0758, 0.2891,
0.2964

25.5596, 0.2326,
0.2132

60.8144, 0.3054,
0.3190

19.7712, 0.2129,
0.1824

72.9196, 0.3200,
0.3389

15.0723, 0.1944,
0.1519

86.4372, 0.3331,
0.3562

11.3927, 0.1782,
0.1237

97.5848, 0.3375,
0.3701

■ 8.6539, 0.1655,
0.0996

■ 6.7644, 0.1569,
0.0811

■ 6.0728, 0.1539,
0.0739

Harmonies

Analogous

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



40.6536, 0.2515, 0.2780



40.6536, 0.2713, 0.2710



40.6536, 0.3029, 0.2780

Triad

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



40.6536, 0.2713, 0.2710



40.6536, 0.3831, 0.3524



40.6536, 0.2849, 0.3648

Complementary

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



40.6536, 0.2713, 0.2710



59.8872, 0.3524, 0.3810

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.



40.6536, 0.3193, 0.3877



40.6536, 0.2713, 0.2710



40.6536, 0.3770, 0.3777

Square

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



40.6536, 0.2713, 0.2710



40.6536, 0.3690, 0.3232



40.6536, 0.3532, 0.3918



40.6536, 0.2589, 0.3312

Rectangle

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



40.6536, 0.2713, 0.2710



40.6536, 0.3271, 0.2893



40.6536, 0.3532, 0.3918



40.6536, 0.2959, 0.3742

Sweetspot

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



40.6552, 0.2713, 0.2710



87.6739, 0.3019, 0.3142



59.3965, 0.2821, 0.3412



18.5486, 0.3010, 0.3129



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.



40.6552, 0.2713, 0.2710



54.2094, 0.2611, 0.2562



39.2752, 0.2840, 0.2614



12.3455, 0.2982, 0.3090



3.8112, 0.1544, 0.0757



0.3365, 0.1624, 0.1046

Inverse Universe

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



42.1597, 0.3560, 0.3181



57.0823, 0.3689, 0.3156



61.9007, 0.3368, 0.3935



12.4548, 0.3265, 0.3251



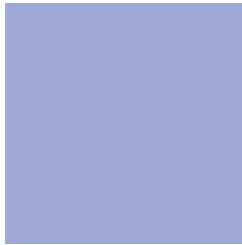
8.7296, 0.6139, 0.3156



0.5373, 0.5689, 0.2908

Previews

White Background



This preview shows how the Yxy color 40.6536, 0.2713, 0.2710 looks on a white background.

Color Contrast Check

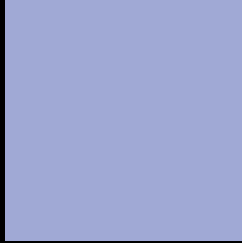
Large Text (above 18pt) WCAG AA × Fail

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 40.6536, 0.2713, 0.2710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

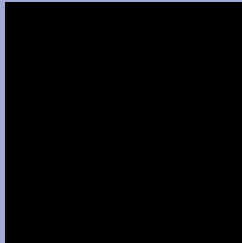
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6536, 0.2713, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 40.6536, 0.2713, 0.2710.



This preview shows how white text looks on a background with the Yxy color 40.6536, 0.2713, 0.2710.

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

40.6536, 0.2713, 0.2710

Protanopia

40.6536, 0.2713, 0.2710

Deuteranopia

40.4409, 0.2750, 0.2690



Tritanopia

40.8285, 0.2864, 0.3108

Trichromacy



Original Color

40.6536, 0.2713, 0.2710

Protanomaly

40.6536, 0.2713, 0.2710

Deuteranomaly

40.5959, 0.2735, 0.2700

Tritanomaly

40.6587, 0.2813, 0.2961

Monochromacy



Original Color

40.6536, 0.2713, 0.2710

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5101, 0.2970, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6536, 0.2713, 0.2710 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(160, 169, 213)` looks like.

```
.text, #text, p{  
    color:rgb(160, 169, 213)  
}
```

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(160, 169, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 169, 213) }
```

Border

The CSS property to change the border of an element to Yxy 40.6536, 0.2713, 0.2710 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(160, 169, 213) }
```

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

```
.border{ border-color:rgb(160, 169, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 169, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 169, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 169, 213);  
box-shadow:4px 4px 4px 4px rgb(160, 169,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6536, 0.2713, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 169, 213) }
```

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

```
.background{ background-color: rgb(160,  
169, 213) }
```

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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