

Converting Colors

$Y_{xy}(40.2644, 0.2242, 0.2859)$

Have a look what the booklet for
Yxy(40.2644, 0.2242, 0.2859)
contains.

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Color

Yxy(40.3503, 0.2241, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	45B8D5
RGB	69, 184, 213
RGB Percent	27%, 72%, 84%
CMY	0.7294, 0.2784, 0.1647
CMYK	0.68, 0.14, 0.00, 0.16
HSL	192°, 63%, 55%
HSV	192°, 68%, 84%
XYZ	31.6061, 40.3503, 69.0793
YIQ	152.9210, -77.8490, -15.3610

Conversions

Conversions Part 2

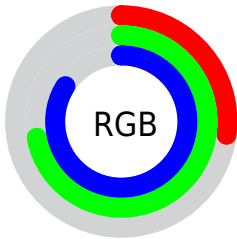
Format	Color
R _Y B	69, 133, 213
Decimal	4569301
CIE Lab	69.72, -23.07, -24.06
CIE LCh	70, 33.338, 226.204
Yxy	40.3503, 0.2241, 0.2861
Android (android.graphics.Color)	4282759381 (0xFF45B8D5)
YUV	152.9210, 29.6189, -73.5987
Hunter-Lab	63.5219, -22.3484, -20.0118

Details

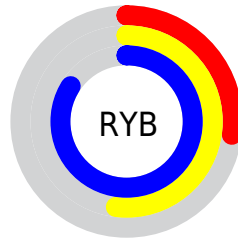
The Yxy color **40.3503, 0.2241, 0.2861** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **23.3168, 0.5091, 0.3609**, and the grayscale version is **31.7155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5267, 0.2461, 0.3114**, and **18.7012, 0.2095, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **37.9516, 0.2165, 0.2787**, and if you desaturate by 10%, it is **43.0855, 0.2336, 0.2934**.

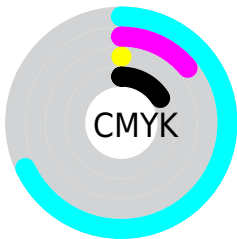
Distribution



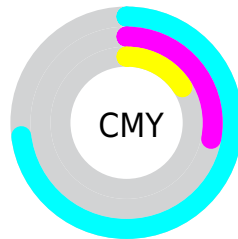
- Red (27%)
- Green (72%)
- Blue (84%)



- Red (27%)
- Yellow (52%)
- Blue (84%)



- Cyan (68%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)





- Cyan (73%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3503, 0.2241, 0.2861 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 40.3503, 0.2241, 0.2861 by changing the saturation by 10% instead.


 40.3503, 0.2241,
0.2861


 40.3503, 0.2241,
0.2861


347.5978, 0.2677,
0.3091


 27.8118, 0.2136,
0.2800


 75.6966, 0.2397,
0.2947


 18.1838, 0.2003,
0.2720


 99.2732, 0.2456,
0.2979

 11.0820, 0.1832,
0.2610


 127.2980, 0.2507,
0.3005

 6.1220, 0.1605,
0.2454

 160.1553, 0.2550,
0.3028

 2.9194, 0.1294,
0.2216

198.2295, 0.2588,
0.3047

 1.0898, 0.0778,
0.1845

241.9051, 0.2622,

 0.0000, 0.0000,

0.3063

0.0000

291.5664, 0.2651,
0.3078

■ 40.3503, 0.2241,
0.2861

■ 40.3503, 0.2241,
0.2861

■ 37.9516, 0.2165,
0.2787

■ 43.0855, 0.2336,
0.2934

■ 35.8529, 0.2109,
0.2714

■ 46.1802, 0.2448,
0.3005

■ 34.0117, 0.2070,
0.2641

■ 49.6599, 0.2575,
0.3073

■ 33.5910, 0.2062,
0.2623

■ 53.5466, 0.2713,
0.3137

■ 57.8602, 0.2859,
0.3197

■ 62.6194, 0.3010,
0.3252

■ 67.8415, 0.3164,
0.3302

■ 73.5430, 0.3318,
0.3347

■ 78.6380, 0.3427,
0.3388

Harmonies

Analogous

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



40.3503, 0.2389, 0.3298



40.3503, 0.2241, 0.2861



40.3503, 0.2305, 0.2589

Triad

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



40.3503, 0.2241, 0.2861



40.3503, 0.3497, 0.2860



40.3503, 0.3663, 0.4160

Complementary

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



40.3503, 0.2241, 0.2861



23.3168, 0.5091, 0.3609

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.



40.3503, 0.4002, 0.3950



40.3503, 0.2241, 0.2861



40.3503, 0.3915, 0.3210

Square

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



40.3503, 0.2241, 0.2861



40.3503, 0.2998, 0.2610



40.3503, 0.4102, 0.3599



40.3503, 0.3195, 0.4114

Rectangle

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



40.3503, 0.2241, 0.2861



40.3503, 0.2461, 0.2515



40.3503, 0.4102, 0.3599



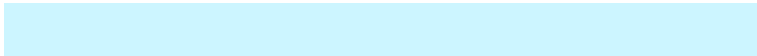
40.3503, 0.3796, 0.4113

Sweetspot

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



40.3518, 0.2241, 0.2861



85.1964, 0.2820, 0.3181



49.7375, 0.2909, 0.5086



17.8377, 0.2778, 0.3165



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.



40.3518, 0.2241, 0.2861



55.6442, 0.2139, 0.2756



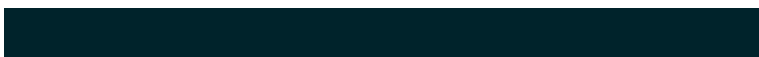
17.7054, 0.1964, 0.1714



13.6631, 0.2983, 0.3242



20.6647, 0.2065, 0.2634



1.3566, 0.2100, 0.2760

Inverse Universe

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



21.8662, 0.3551, 0.2031



28.2348, 0.3664, 0.1903



43.2560, 0.4381, 0.4421



12.5878, 0.3168, 0.3106



10.4310, 0.3791, 0.1862



0.6403, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 40.3503, 0.2241, 0.2861 looks on a white background.

Color Contrast Check

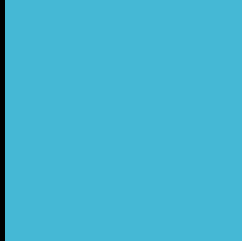
Large Text (above 18pt) WCAG AA × Fail

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 40.3503, 0.2241, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

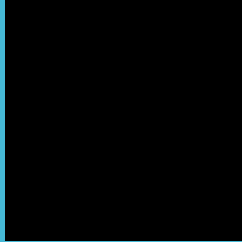
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3503, 0.2241, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 40.3503, 0.2241, 0.2861.



This preview shows how white text looks on a background with the Yxy color 40.3503, 0.2241, 0.2861.

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

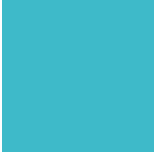
40.3503, 0.2241, 0.2861

Protanopia

39.9509, 0.2806, 0.2833

Deuteranopia

39.7558, 0.2682, 0.2623



Tritanopia

40.3590, 0.2281, 0.3060

Trichromacy



Original Color

40.3503, 0.2241, 0.2861

Protanomaly

39.3175, 0.2538, 0.2836

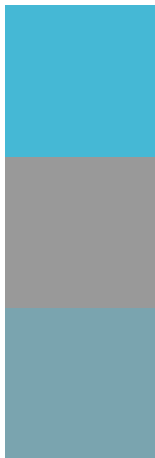
Deuteranomaly

39.3570, 0.2470, 0.2694

Tritanomaly

40.2295, 0.2268, 0.2987

Monochromacy



Original Color

40.3503, 0.2241, 0.2861

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.7836, 0.2680, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3503, 0.2241, 0.2861 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(69, 184, 213)` looks like.

```
.text, #text, p{  
    color:rgb(69, 184, 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(69, 184, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 184, 213) }
```

Border

The CSS property to change the border of an element to Yxy 40.3503, 0.2241, 0.2861 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(69, 184, 213) }
```

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

```
.border{ border-color:rgb(69, 184, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 184, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 184, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 184, 213);  
box-shadow:4px 4px 4px 4px rgb(69, 184,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3503, 0.2241, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 184, 213) }
```

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

```
.background{ background-color: rgb(69, 184,  
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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