

Converting Colors

$Y_{xy}(40.5788, 0.2333, 0.2796)$

Have a look what the booklet for
Yxy(40.5788, 0.2333, 0.2796)
contains.

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Color

Yxy(40.6023, 0.2333, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	62B5D8
RGB	98, 181, 216
RGB Percent	38%, 71%, 85%
CMY	0.6153, 0.2902, 0.1529
CMYK	0.55, 0.16, 0.00, 0.15
HSL	198°, 60%, 62%
HSV	198°, 55%, 85%
XYZ	33.9638, 40.6023, 71.0140
YIQ	160.1730, -60.7030, -6.7110

Conversions

Conversions Part 2

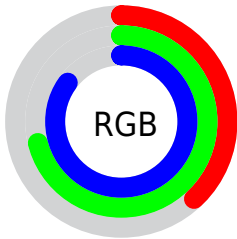
Format	Color
R_{YB}	98, 147, 216
Decimal	6469080
CIE _{Lab}	69.90, -15.43, -25.35
CIE _{LCh}	70, 29.675, 238.664
Yxy	40.6023, 0.2333, 0.2789
Android (android.graphics.Color)	4284659160 (0xFF62B5D8)
YUV	160.1730, 27.5227, -54.5257
Hunter-Lab	63.7199, -16.3662, -21.4730

Details

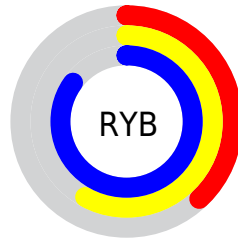
The Yxy color **40.6023, 0.2333, 0.2789** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **32.2914, 0.4476, 0.3712**, and the grayscale version is **35.1415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8563, 0.2557, 0.3084**, and **18.3029, 0.2118, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **37.0096, 0.2219, 0.2679**, and if you desaturate by 10%, it is **44.6424, 0.2462, 0.2895**.

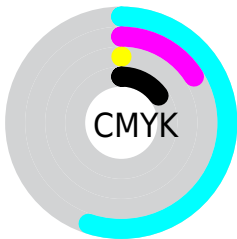
Distribution



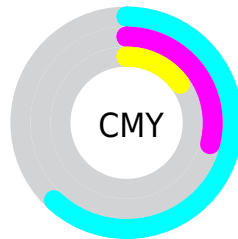
- Red (38%)
- Green (71%)
- Blue (85%)



- Red (38%)
- Yellow (58%)
- Blue (85%)



- Cyan (55%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (62%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6023, 0.2333, 0.2789 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 40.6023, 0.2333, 0.2789 by changing the saturation by 10% instead.


 40.6023, 0.2333,
0.2789


 40.6023, 0.2333,
0.2789


348.6557, 0.2725,
0.3050


 28.0085, 0.2238,
0.2722


 76.0798, 0.2474,
0.2886

 18.3320, 0.2118,
0.2634


 99.7323, 0.2527,
0.2921

 11.1886, 0.1961,
0.2517


 127.8397, 0.2573,
0.2951

 6.1939, 0.1752,
0.2352

 160.7865, 0.2612,
0.2977

 2.9633, 0.1462,
0.2109

198.9572, 0.2646,
0.2999

 1.1126, 0.1031,
0.1726

242.7360, 0.2676,

 0.0000, 0.0000,

0.3018

0.0000

292.5073, 0.2702,
0.3035

■ 40.6023, 0.2333,
0.2789

■ 40.6023, 0.2333,
0.2789

■ 37.0096, 0.2219,
0.2679

■ 44.6424, 0.2462,
0.2895

■ 33.8314, 0.2123,
0.2566

■ 49.1508, 0.2602,
0.2996

■ 31.0368, 0.2047,
0.2453

■ 54.1519, 0.2750,
0.3090

■ 28.5862, 0.1992,
0.2341

■ 59.6671, 0.2903,
0.3177

■ 27.3664, 0.1967,
0.2281

■ 65.7162, 0.3057,
0.3256

■ 72.3179, 0.3210,
0.3328

■ 79.4899, 0.3359,
0.3391

■ 84.1058, 0.3391,
0.3454

■ 87.7900, 0.3381,
0.3516

Harmonies

Analogous

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



40.6023, 0.2388, 0.3127



40.6023, 0.2333, 0.2789



40.6023, 0.2469, 0.2612

Triad

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



40.6023, 0.2333, 0.2789



40.6023, 0.3627, 0.3029



40.6023, 0.3443, 0.4074

Complementary

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



40.6023, 0.2333, 0.2789



32.2914, 0.4476, 0.3712

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.



40.6023, 0.3804, 0.3980



40.6023, 0.2333, 0.2789



40.6023, 0.3925, 0.3368

Square

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



40.6023, 0.2333, 0.2789



40.6023, 0.3198, 0.2758



40.6023, 0.3987, 0.3711



40.6023, 0.3012, 0.3920

Rectangle

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



40.6023, 0.2333, 0.2789



40.6023, 0.2657, 0.2591



40.6023, 0.3987, 0.3711



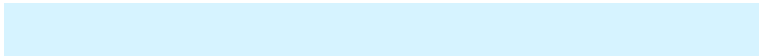
40.6023, 0.3577, 0.4068

Sweetspot

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



40.6038, 0.2333, 0.2789



85.5773, 0.2879, 0.3164



53.3685, 0.2877, 0.4550



17.9517, 0.2847, 0.3147



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.



40.6038, 0.2333, 0.2789



53.3899, 0.2209, 0.2667



21.8886, 0.2151, 0.1913



13.4560, 0.2982, 0.3219



16.3937, 0.1972, 0.2298



1.1298, 0.2025, 0.2490

Inverse Universe

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



26.6905, 0.3586, 0.2333



32.8917, 0.3718, 0.2186



52.5092, 0.4064, 0.4351



12.5669, 0.3183, 0.3127



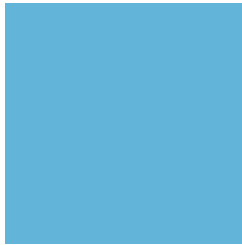
9.9998, 0.4128, 0.2048



0.6174, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 40.6023, 0.2333, 0.2789 looks on a white background.

Color Contrast Check

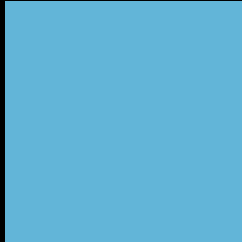
Large Text (above 18pt) WCAG AA × Fail

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 40.6023, 0.2333, 0.2789 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 40.6023, 0.2333, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 40.6023, 0.2333, 0.2789.



This preview shows how white text looks on a background with the Yxy color 40.6023, 0.2333, 0.2789.

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

40.6023, 0.2333, 0.2789

Protanopia

40.0873, 0.2762, 0.2770

Deuteranopia

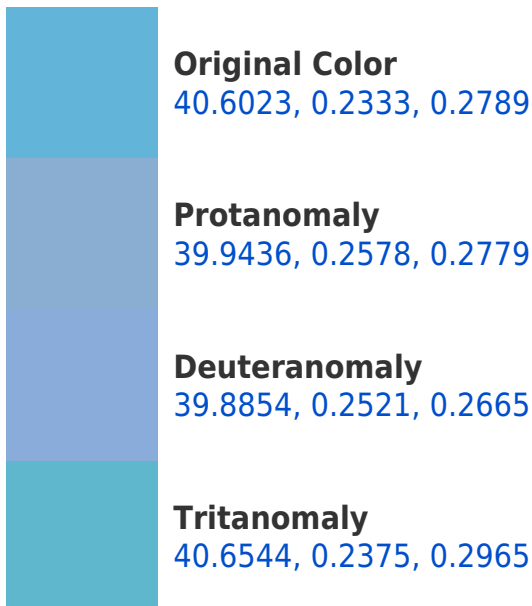
40.2255, 0.2670, 0.2613



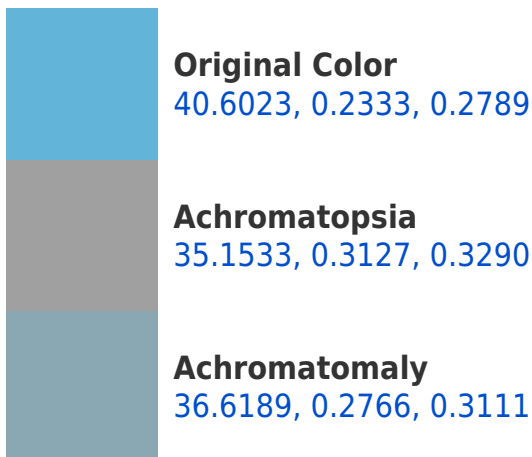
Tritanopia

40.6798, 0.2400, 0.3064

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6023, 0.2333, 0.2789 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(98, 181, 216)` looks like.

```
.text, #text, p{  
    color:rgb(98, 181, 216)  
}
```

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(98, 181, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 181, 216) }
```

Border

The CSS property to change the border of an element to Yxy 40.6023, 0.2333, 0.2789 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(98, 181, 216) }
```

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

```
.border{ border-color:rgb(98, 181, 216) }
```

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

Here you see how a box with a 4 pixel rgb(98, 181, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 181, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 181, 216);  
box-shadow:4px 4px 4px 4px rgb(98, 181,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6023, 0.2333, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 181, 216) }
```

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

```
.background{ background-color: rgb(98, 181,  
216) }
```

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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