

Converting Colors

$Y_{xy}(40.0685, 0.2194, 0.2619)$

Have a look what the booklet for
Yxy(40.0685, 0.2194, 0.2619)
contains.

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Color

Yxy(40.2689, 0.2196, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	4EB5E4
RGB	78, 181, 228
RGB Percent	31%, 71%, 89%
CMY	0.6938, 0.2902, 0.1058
CMYK	0.66, 0.21, 0.00, 0.11
HSL	199°, 74%, 60%
HSV	199°, 66%, 89%
XYZ	33.6750, 40.2689, 79.4030
YIQ	155.5610, -76.4750, -7.2190

Conversions

Conversions Part 2

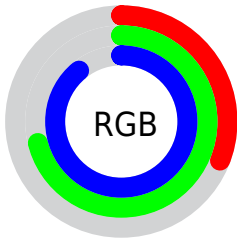
Format	Color
R _Y B	78, 139, 228
Decimal	5158372
CIE Lab	69.66, -15.43, -32.33
CIE LCh	70, 35.821, 244.493
Yxy	40.2689, 0.2196, 0.2626
Android (android.graphics.Color)	4283348452 (0xFF4EB5E4)
YUV	155.5610, 35.7124, -68.0210
Hunter-Lab	63.4578, -16.3270, -29.7676

Details

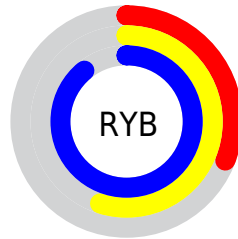
The Yxy color **40.2689, 0.2196, 0.2626** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.7398, 0.4867, 0.3794**, and the grayscale version is **32.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4511, 0.2488, 0.3081**, and **18.4169, 0.2012, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **36.6337, 0.2100, 0.2506**, and if you desaturate by 10%, it is **44.3900, 0.2310, 0.2744**.

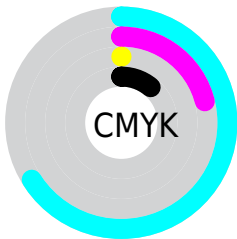
Distribution



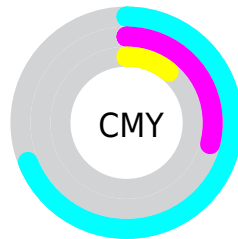
- Red (31%)
- Green (71%)
- Blue (89%)



- Red (31%)
- Yellow (55%)
- Blue (89%)



- Cyan (66%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)





- Cyan (69%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2689, 0.2196, 0.2626 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 40.2689, 0.2196, 0.2626 by changing the saturation by 10% instead.


 40.2689, 0.2196,
0.2626


 40.2689, 0.2196,
0.2626

347.2556, 0.2652,
0.2968


 27.7483, 0.2087,
0.2540


 75.5728, 0.2358,
0.2751


 18.1360, 0.1951,
0.2429


 99.1249, 0.2420,
0.2798

 11.0477, 0.1778,
0.2283


 127.1229, 0.2473,
0.2838

 6.0989, 0.1550,
0.2083

 159.9512, 0.2519,
0.2871

 2.9053, 0.1245,
0.1799

197.9942, 0.2558,
0.2900

 1.0825, 0.0817,
0.1382

241.6364, 0.2593,

 0.0000, 0.0000,

0.2926

0.0000

291.2621, 0.2624,
0.2948

■ 40.2689, 0.2196,
0.2626

■ 40.2689, 0.2196,
0.2626

■ 36.6337, 0.2100,
0.2506

■ 44.3900, 0.2310,
0.2744

■ 33.4418, 0.2024,
0.2386

■ 49.0260, 0.2440,
0.2858


■ 30.6476, 0.1969,
0.2267


■ 54.2078, 0.2581,
0.2966

■ 29.5491, 0.1949,
0.2217

■ 59.9625, 0.2730,
0.3067

■ 66.3148, 0.2884,
0.3160

 73.2879, 0.3039,
0.3245

 80.9036, 0.3192,
0.3321

 88.1256, 0.3304,
0.3391

 92.3770, 0.3296,
0.3460

Harmonies

Analogous

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



40.2689, 0.2215, 0.2992



40.2689, 0.2196, 0.2626



40.2689, 0.2396, 0.2465

Triad

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



40.2689, 0.2196, 0.2626



40.2689, 0.3821, 0.3047



40.2689, 0.3399, 0.4237

Complementary

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



40.2689, 0.2196, 0.2626



31.7398, 0.4867, 0.3794

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.



40.2689, 0.3865, 0.4161



40.2689, 0.2196, 0.2626



40.2689, 0.4134, 0.3453

Square

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



40.2689, 0.2196, 0.2626



40.2689, 0.3314, 0.2710



40.2689, 0.4144, 0.3856



40.2689, 0.2883, 0.3993

Rectangle

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



40.2689, 0.2196, 0.2626



40.2689, 0.2641, 0.2469



40.2689, 0.4144, 0.3856



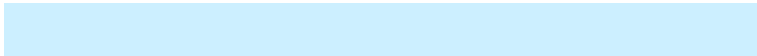
40.2689, 0.3567, 0.4245

Sweetspot

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



40.2703, 0.2196, 0.2626



81.7941, 0.2816, 0.3120



58.5472, 0.2843, 0.4828



17.0155, 0.2773, 0.3094



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.



40.2703, 0.2196, 0.2626



45.6144, 0.2069, 0.2461



17.9652, 0.1939, 0.1546



15.5339, 0.2981, 0.3215



17.2822, 0.1954, 0.2235



1.4415, 0.2002, 0.2408

Inverse Universe

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



25.2924, 0.3755, 0.2205



27.6547, 0.3940, 0.2094



57.4464, 0.4235, 0.4541



14.5342, 0.3186, 0.3130



10.9424, 0.4195, 0.2084



0.8252, 0.4015, 0.1986

Previews

White Background



This preview shows how the Yxy color 40.2689, 0.2196, 0.2626 looks on a white background.

Color Contrast Check

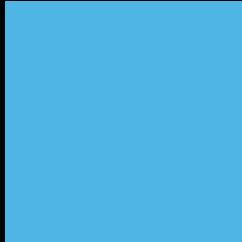
Large Text (above 18pt) WCAG AA × Fail

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 40.2689, 0.2196, 0.2626 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

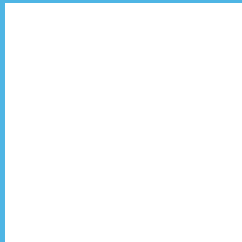
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2689, 0.2196, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 40.2689, 0.2196, 0.2626.



This preview shows how white text looks on a background with the Yxy color 40.2689, 0.2196, 0.2626.

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

40.2689, 0.2196, 0.2626

Protanopia

39.7673, 0.2646, 0.2619

Deuteranopia

39.8910, 0.2522, 0.2465



Tritanopia

40.3916, 0.2284, 0.3060

Trichromacy



Original Color

40.2689, 0.2196, 0.2626

Protanomaly

39.3682, 0.2440, 0.2608

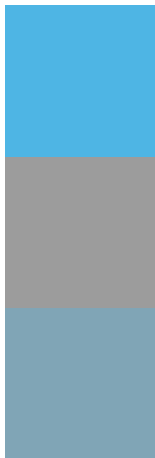
Deuteranomaly

39.5033, 0.2373, 0.2510

Tritanomaly

40.2131, 0.2247, 0.2888

Monochromacy



Original Color

40.2689, 0.2196, 0.2626

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.8769, 0.2677, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2689, 0.2196, 0.2626 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(78, 181, 228)` looks like.

```
.text, #text, p{  
    color:rgb(78, 181, 228)  
}
```

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(78, 181, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 181, 228) }
```

Border

The CSS property to change the border of an element to Yxy 40.2689, 0.2196, 0.2626 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(78, 181, 228) }
```

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

```
.border{ border-color:rgb(78, 181, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 181, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 181, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 181, 228);  
box-shadow:4px 4px 4px 4px rgb(78, 181,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2689, 0.2196, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 181, 228) }
```

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

```
.background{ background-color: rgb(78, 181,  
228) }
```

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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