

Converting Colors

$Y_{xy}(40.0640, 0.2321, 0.2722)$

Have a look what the booklet for
Yxy(40.0640, 0.2321, 0.2722)
contains.

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Color

Yxy(40.0640, 0.2321, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	64B3DB
RGB	100, 179, 219
RGB Percent	39%, 70%, 86%
CMY	0.6079, 0.2980, 0.1411
CMYK	0.54, 0.18, 0.00, 0.14
HSL	200°, 62%, 63%
HSV	200°, 54%, 86%
XYZ	34.1618, 40.0640, 72.9600
YIQ	159.9390, -59.9240, -4.3080

Conversions

Conversions Part 2

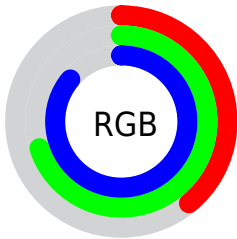
Format	Color
RYB	100, 147, 219
Decimal	6599643
CIELab	69.52, -13.10, -27.57
CIELCh	70, 30.528, 244.586
Yxy	40.0640, 0.2321, 0.2722
Android (android.graphics.Color)	4284789723 (0xFF64B3DB)
YUV	159.9390, 29.1171, -52.5665
Hunter-Lab	63.2961, -14.4292, -24.0350

Details

The Yxy color **40.0640, 0.2321, 0.2722** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.7384, 0.4434, 0.3766**, and the grayscale version is **35.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9058, 0.2563, 0.3062**, and **17.9421, 0.2100, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **36.1072, 0.2201, 0.2596**, and if you desaturate by 10%, it is **44.5169, 0.2455, 0.2844**.

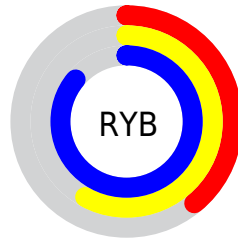
Distribution



Red (39%)

Green (70%)

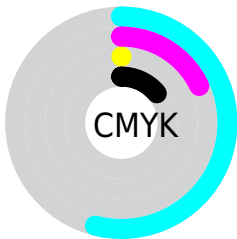
Blue (86%)



Red (39%)

Yellow (58%)

Blue (86%)

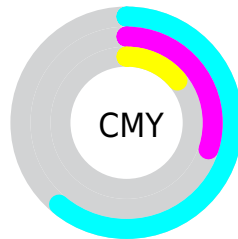


Cyan (54%)

Magenta (18%)

Yellow (0%)

Black (14%)



Cyan (61%)

Magenta (30%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0640, 0.2321, 0.2722 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 40.0640, 0.2321, 0.2722 by changing the saturation by 10% instead.

■ 40.0640, 0.2321,
0.2722

■ 40.0640, 0.2321,
0.2722

■ 346.3932, 0.2720,
0.3015

■ 27.5884, 0.2224,
0.2647

■ 75.2610, 0.2464,
0.2830

■ 18.0157, 0.2102,
0.2550

■ 98.7512, 0.2518,
0.2870

■ 10.9612, 0.1944,
0.2421

■ 126.6817, 0.2565,
0.2904

■ 6.0408, 0.1732,
0.2242

■ 159.4370, 0.2604,
0.2933

■ 2.8699, 0.1440,
0.1981

■ 197.4014, 0.2639,
0.2958

■ 1.0642, 0.1012,
0.1580

■ 240.9593, 0.2669,

■ 0.0000, 0.0000,

0.2979

0.0000

290.4951, 0.2696,
0.2999

■ 40.0640, 0.2321,
0.2722

■ 40.0640, 0.2321,
0.2722

■ 36.1072, 0.2201,
0.2596

■ 44.5169, 0.2455,
0.2844

■ 32.6122, 0.2099,
0.2466

■ 49.4884, 0.2600,
0.2959

■ 29.5458, 0.2017,
0.2337


■ 55.0045, 0.2751,
0.3066


■ 26.8668, 0.1956,
0.2209


■ 61.0880, 0.2906,
0.3164

■ 25.4860, 0.1927,
0.2138

■ 67.7600, 0.3060,
0.3254

 75.0406, 0.3213,
0.3334

 82.9485, 0.3361,
0.3406

 87.4673, 0.3363,
0.3478

 91.8402, 0.3353,
0.3549

Harmonies

Analogous

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



40.0640, 0.2338, 0.3041



40.0640, 0.2321, 0.2722



40.0640, 0.2498, 0.2577

Triad

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



40.0640, 0.2321, 0.2722



40.0640, 0.3720, 0.3085



40.0640, 0.3366, 0.4091

Complementary

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



40.0640, 0.2321, 0.2722



34.7384, 0.4434, 0.3766

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.



40.0640, 0.3763, 0.4039



40.0640, 0.2321, 0.2722



40.0640, 0.3985, 0.3440

Square

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



40.0640, 0.2321, 0.2722



40.0640, 0.3291, 0.2789



40.0640, 0.3997, 0.3787



40.0640, 0.2922, 0.3881

Rectangle

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



40.0640, 0.2321, 0.2722



40.0640, 0.2712, 0.2578



40.0640, 0.3997, 0.3787



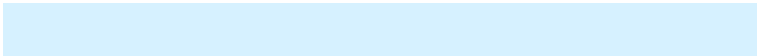
40.0640, 0.3509, 0.4102

Sweetspot

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



40.0655, 0.2321, 0.2722



84.6256, 0.2878, 0.3147



55.2631, 0.2846, 0.4455



17.7239, 0.2846, 0.3127



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.



40.0655, 0.2321, 0.2722



50.3330, 0.2188, 0.2580



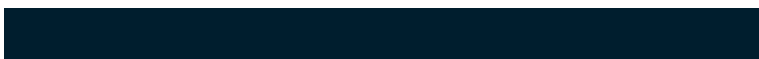
21.2151, 0.2137, 0.1832



14.0538, 0.2982, 0.3210



15.3193, 0.1933, 0.2157



1.1490, 0.1990, 0.2363

Inverse Universe

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



27.4293, 0.3642, 0.2384



32.5831, 0.3796, 0.2242



56.9107, 0.4024, 0.4405



13.1966, 0.3189, 0.3136



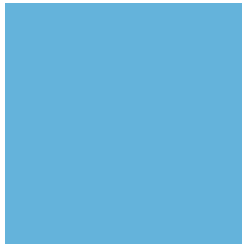
10.1703, 0.4279, 0.2131



0.6747, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 40.0640, 0.2321, 0.2722 looks on a white background.

Color Contrast Check

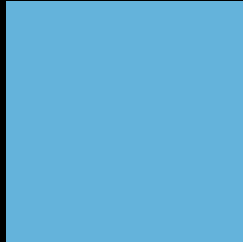
Large Text (above 18pt) WCAG AA × Fail

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 40.0640, 0.2321, 0.2722 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

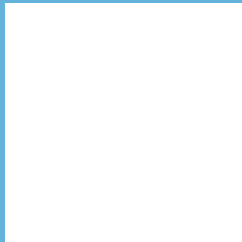
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0640, 0.2321, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 40.0640, 0.2321, 0.2722.



This preview shows how white text looks on a background with the Yxy color 40.0640, 0.2321, 0.2722.

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

40.0640, 0.2321, 0.2722

Protanopia

39.6097, 0.2709, 0.2704

Deuteranopia

39.7145, 0.2626, 0.2561



Tritanopia

40.2195, 0.2402, 0.3063

Trichromacy



Original Color

40.0640, 0.2321, 0.2722

Protanomaly

39.2992, 0.2543, 0.2700

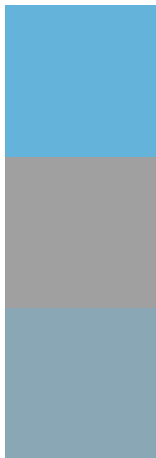
Deuteranomaly

39.5805, 0.2494, 0.2614

Tritanomaly

40.3450, 0.2372, 0.2936

Monochromacy



Original Color

40.0640, 0.2321, 0.2722

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3769, 0.2765, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0640, 0.2321, 0.2722 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(100, 179, 219)` looks like.

```
.text, #text, p{  
    color:rgb(100, 179, 219)  
}
```

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(100, 179, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 179, 219) }
```

Border

The CSS property to change the border of an element to Yxy 40.0640, 0.2321, 0.2722 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(100, 179, 219) }
```

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

```
.border{ border-color:rgb(100, 179, 219) }
```

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

Here you see how a box with a 4 pixel rgb(100, 179, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(100, 179,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0640, 0.2321, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 179, 219) }
```

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

```
.background{ background-color: rgb(100,  
179, 219) }
```

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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