

Converting Colors

$Y_{xy}(40.0105, 0.2015, 0.2274)$

Have a look what the booklet for
Yxy(40.0105, 0.2015, 0.2274)
contains.

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Color

Yxy(40.1640, 0.2017, 0.2280)

Conversions

Conversions Part 1

Format	Color
Hex	33B3FF
RGB	51, 179, 255
RGB Percent	20%, 70%, 100%
CMY	0.8000, 0.2980, 0.0001
CMYK	0.80, 0.30, 0.00, 0.00
HSL	202°, 100%, 60%
HSV	202°, 80%, 100%
XYZ	35.5310, 40.1640, 100.4628
YIQ	149.3920, -100.6840, -3.5000

Conversions

Conversions Part 2

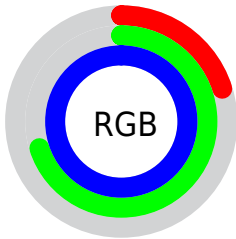
Format	Color
R _Y B	51, 130, 255
Decimal	3388415
CIE Lab	69.59, -8.72, -47.14
CIE LCh	70, 47.943, 259.520
Yxy	40.1640, 0.2017, 0.2280
Android (android.graphics.Color)	4281578495 (0xFF33B3FF)
YUV	149.3920, 52.0647, -86.2898
Hunter-Lab	63.3751, -10.8309, -49.6246

Details

The Yxy color **40.1640, 0.2017, 0.2280** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **36.6644, 0.5274, 0.3914**, and the grayscale version is **30.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2259, 0.2429, 0.3054**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **35.9980, 0.1943, 0.2136**, and if you desaturate by 10%, it is **44.9573, 0.2113, 0.2426**.

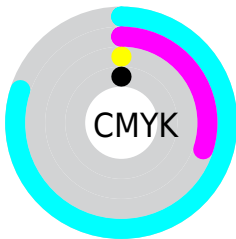
Distribution



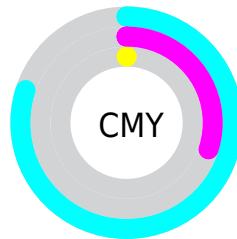
- Red (20%)
- Green (70%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1640, 0.2017, 0.2280 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 40.1640, 0.2017, 0.2280 by changing the saturation by 10% instead.


 40.1640, 0.2017,
0.2280


 40.1640, 0.2017,
0.2280


346.8143, 0.2551,
0.2779

 27.6664, 0.1894,
0.2162


 75.4132, 0.2204,
0.2457


 18.0744, 0.1743,
0.2015


 98.9336, 0.2276,
0.2525

 11.0034, 0.1556,
0.1829


 126.8971, 0.2338,
0.2583

 6.0691, 0.1319,
0.1590

 159.6880, 0.2392,
0.2633

 2.8872, 0.1020,
0.1279

197.6908, 0.2439,
0.2677

 1.0731, 0.0652,
0.0879

241.2899, 0.2481,

 0.0000, 0.0000,

0.2715

0.0000

290.8696, 0.2518,
0.2749

■ 40.1640, 0.2017,
0.2280

■ 40.1640, 0.2017,
0.2280

■ 35.9980, 0.1943,
0.2136

■ 44.9573, 0.2113,
0.2426

■ 32.3652, 0.1888,
0.1995

■ 50.4309, 0.2229,
0.2571

■ 32.3639, 0.1888,
0.1995

■ 56.6346, 0.2361,
0.2712

■ 63.6112, 0.2505,
0.2846

■ 71.3996, 0.2658,
0.2972

■ 80.0353, 0.2814,
0.3088

■ 89.5515, 0.2972,
0.3194

99.9792, 0.3127,
0.3290

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



40.1640, 0.1899, 0.2603



40.1640, 0.2017, 0.2280



40.1640, 0.2396, 0.2219

Triad

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



40.1640, 0.2017, 0.2280



40.1640, 0.4315, 0.3210



40.1640, 0.3118, 0.4483

Complementary

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



40.1640, 0.2017, 0.2280



36.6644, 0.5274, 0.3914

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.



40.1640, 0.3789, 0.4555



40.1640, 0.2017, 0.2280



40.1640, 0.4528, 0.3736

Square

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



40.1640, 0.2017, 0.2280



40.1640, 0.3728, 0.2735



40.1640, 0.4315, 0.4233



40.1640, 0.2485, 0.3941

Rectangle

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



40.1640, 0.2017, 0.2280



40.1640, 0.2782, 0.2306



40.1640, 0.4315, 0.4233



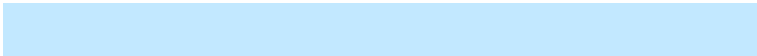
40.1640, 0.3347, 0.4562

Sweetspot

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



40.1653, 0.2017, 0.2280



76.4928, 0.2751, 0.3043



73.7069, 0.2793, 0.5037



15.7191, 0.2695, 0.3001



0.0000, 0.0000, 0.0000



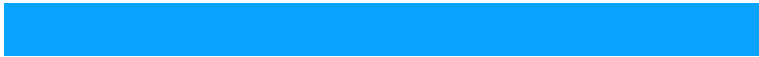
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.1653, 0.2017, 0.2280



33.7753, 0.1908, 0.2051



13.3994, 0.1684, 0.1019



19.2776, 0.2979, 0.3199



17.2109, 0.1894, 0.2018



1.8854, 0.1939, 0.2179

Inverse Universe

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



26.8777, 0.4123, 0.2192



24.1556, 0.4392, 0.2209



76.8574, 0.4326, 0.4784



18.1789, 0.3195, 0.3142



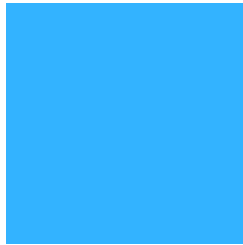
12.4654, 0.4432, 0.2215



1.2349, 0.4255, 0.2117

Previews

White Background



This preview shows how the Yxy color 40.1640, 0.2017, 0.2280 looks on a white background.

Color Contrast Check

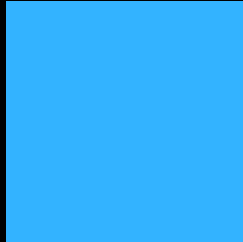
Large Text (above 18pt) WCAG AA × Fail

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 40.1640, 0.2017, 0.2280 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

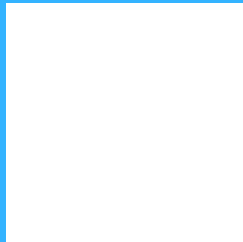
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1640, 0.2017, 0.2280

Background



This preview shows how black text looks on a background with the Yxy color 40.1640, 0.2017, 0.2280.



This preview shows how white text looks on a background with the Yxy color 40.1640, 0.2017, 0.2280.

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

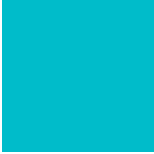
40.1640, 0.2017, 0.2280

Protanopia

39.6437, 0.2401, 0.2305

Deuteranopia

39.7373, 0.2259, 0.2199



Tritanopia

40.2307, 0.2186, 0.3071

Trichromacy



Original Color

40.1640, 0.2017, 0.2280

Protanomaly

39.2181, 0.2212, 0.2286

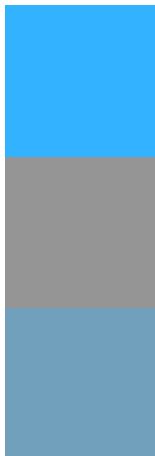
Deuteranomaly

39.3777, 0.2138, 0.2218

Tritanomaly

40.0568, 0.2111, 0.2758

Monochromacy



Original Color

40.1640, 0.2017, 0.2280

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.2832, 0.2517, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1640, 0.2017, 0.2280 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(51, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 179, 255)  
}
```

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(51, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1640, 0.2017, 0.2280 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(51, 179, 255) }
```

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

```
.border{ border-color:rgb(51, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1640, 0.2017, 0.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 179, 255) }
```

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

```
.background{ background-color: rgb(51, 179,  
255) }
```

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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