

Converting Colors

$Y_{xy}(40.5784, 0.2158, 0.2257)$

Have a look what the booklet for
Yxy(40.5784, 0.2158, 0.2257)
contains.

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Color

Yxy(40.7047, 0.2159, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	66AFFF
RGB	102, 175, 255
RGB Percent	40%, 69%, 100%
CMY	0.6002, 0.3137, 0.0001
CMYK	0.60, 0.31, 0.00, 0.00
HSL	211°, 100%, 70%
HSV	211°, 60%, 100%
XYZ	38.8512, 40.7047, 100.3941
YIQ	162.2930, -69.1880, 9.4040

Conversions

Conversions Part 2

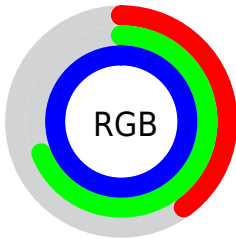
Format	Color
R _Y B	102, 151, 255
Decimal	6729727
CIE Lab	69.97, 0.52, -46.44
CIE LCh	70, 46.442, 270.640
Yxy	40.7047, 0.2159, 0.2262
Android (android.graphics.Color)	4284919807 (0xFF66AFFF)
YUV	162.2930, 45.7046, -52.8770
Hunter-Lab	63.8002, -2.9527, -48.6368

Details

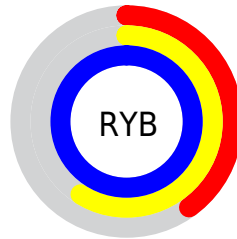
The Yxy color **40.7047, 0.2159, 0.2262** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **55.6326, 0.4434, 0.4088**, and the grayscale version is **36.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6002, 0.2579, 0.3005**, and **18.4137, 0.1912, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **34.5058, 0.2021, 0.2055**, and if you desaturate by 10%, it is **47.8760, 0.2312, 0.2465**.

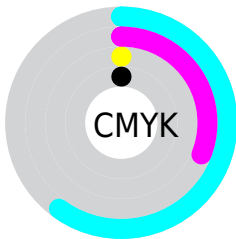
Distribution



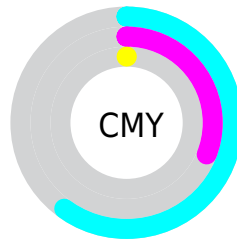
- Red (40%)
- Green (69%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7047, 0.2159, 0.2262 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 40.7047, 0.2159, 0.2262 by changing the saturation by 10% instead.


 40.7047, 0.2159,
0.2262


 40.7047, 0.2159,
0.2262


349.0849, 0.2630,
0.2761

 28.0884, 0.2049,
0.2145


 76.2354, 0.2325,
0.2438

 18.3923, 0.1913,
0.2001


 99.9186, 0.2389,
0.2506

 11.2320, 0.1741,
0.1820


 128.0596, 0.2444,
0.2564

 6.2231, 0.1520,
0.1587

161.0428, 0.2491,
0.2614

 2.9812, 0.1233,
0.1285

199.2525, 0.2532,
0.2658

 1.1219, 0.0863,
0.0895

243.0731, 0.2569,

 0.0000, 0.0017,

0.2696

0.0000

292.8892, 0.2601,
0.2731

■ 0.0000, 0.0000,
0.0000

■ 40.7047, 0.2159,
0.2262

■ 40.7047, 0.2159,
0.2262

■ 34.5058, 0.2021,
0.2055

■ 47.8760, 0.2312,
0.2465

■ 29.2167, 0.1903,
0.1850

■ 56.0677, 0.2475,
0.2658

■ 24.7716, 0.1811,
0.1653

■ 65.3289, 0.2642,
0.2839

■ 21.0742, 0.1742,
0.1470

■ 75.7036, 0.2809,
0.3005

■ 87.2333, 0.2971,
0.3155

99.9568, 0.3127,
0.3290

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



40.7047, 0.1949, 0.2480



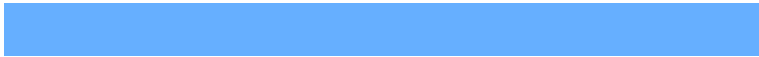
40.7047, 0.2159, 0.2262



40.7047, 0.2617, 0.2287

Triad

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



40.7047, 0.2159, 0.2262



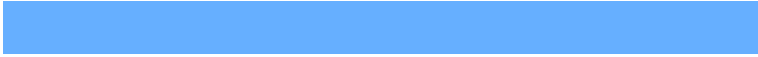
40.7047, 0.4398, 0.3403



40.7047, 0.2881, 0.4288

Complementary

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



40.7047, 0.2159, 0.2262



55.6326, 0.4434, 0.4088

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.



40.7047, 0.3538, 0.4537



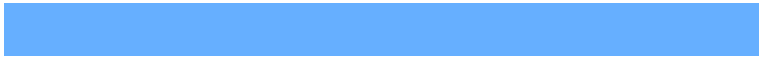
40.7047, 0.2159, 0.2262



40.7047, 0.4449, 0.3914

Square

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



40.7047, 0.2159, 0.2262



40.7047, 0.3947, 0.2914



40.7047, 0.4117, 0.4350



40.7047, 0.2324, 0.3655

Rectangle

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



40.7047, 0.2159, 0.2262



40.7047, 0.3037, 0.2421



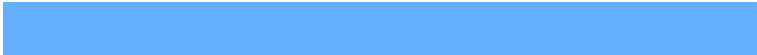
40.7047, 0.4117, 0.4350



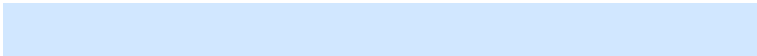
40.7047, 0.3097, 0.4424

Sweetspot

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



40.7061, 0.2159, 0.2262



77.9506, 0.2842, 0.3036



77.6621, 0.2704, 0.4236



15.9987, 0.2794, 0.2991



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.



40.7061, 0.2159, 0.2262



33.3929, 0.1996, 0.2014



19.6847, 0.1968, 0.1356



18.8086, 0.2979, 0.3163



11.3090, 0.1750, 0.1499



1.3182, 0.1809, 0.1711

Inverse Universe

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



33.8440, 0.4075, 0.2567



28.3229, 0.4375, 0.2489



93.2364, 0.3960, 0.4706



18.1315, 0.3219, 0.3177



11.8696, 0.5060, 0.2561



1.1776, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 40.7047, 0.2159, 0.2262 looks on a white background.

Color Contrast Check

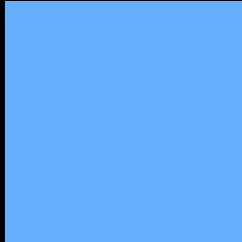
Large Text (above 18pt) WCAG AA × Fail

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 40.7047, 0.2159, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

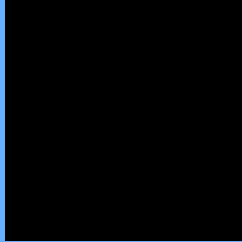
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

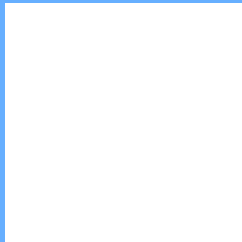
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7047, 0.2159, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 40.7047, 0.2159, 0.2262.



This preview shows how white text looks on a background with the Yxy color 40.7047, 0.2159, 0.2262.

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

40.7047, 0.2159, 0.2262

Protanopia

40.3166, 0.2377, 0.2268

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.9546, 0.2337, 0.3063

Trichromacy



Original Color

40.7047, 0.2159, 0.2262

Protanomaly

40.3037, 0.2287, 0.2266

Deuteranomaly

40.3389, 0.2230, 0.2229

Tritanomaly

40.7026, 0.2264, 0.2734

Monochromacy



Original Color

40.7047, 0.2159, 0.2262

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1984, 0.2674, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7047, 0.2159, 0.2262 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(102, 175, 255)` looks like.

```
.text, #text, p{  
  color:rgb(102, 175, 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(102, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7047, 0.2159, 0.2262 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(102, 175, 255) }
```

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

```
.border{ border-color:rgb(102, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7047, 0.2159, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 175, 255) }
```

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

```
.background{ background-color: rgb(102,  
175, 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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