

Converting Colors

$Yxy(40.4514, 0.2307, 0.2424)$

Have a look what the booklet for
Yxy(40.4514, 0.2307, 0.2424)
contains.

Yxy(40.5564, 0.2306, 0.2423)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5564, 0.2306, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	78AEF0
RGB	120, 174, 240
RGB Percent	47%, 68%, 94%
CMY	0.5298, 0.3176, 0.0588
CMYK	0.50, 0.27, 0.00, 0.06
HSL	213°, 80%, 71%
HSV	213°, 50%, 94%
XYZ	38.5980, 40.5564, 88.2265
YIQ	165.3780, -53.3700, 9.0780

Conversions

Conversions Part 2

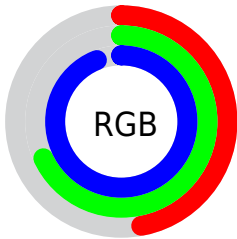
Format	Color
R _Y B	120, 157, 240
Decimal	7909104
CIE Lab	69.86, 0.16, -38.41
CIE LCh	70, 38.415, 270.240
Yxy	40.5564, 0.2306, 0.2423
Android (android.graphics.Color)	4286099184 (0xFF78AEF0)
YUV	165.3780, 36.7886, -39.7965
Hunter-Lab	63.6839, -3.2602, -37.5605

Details

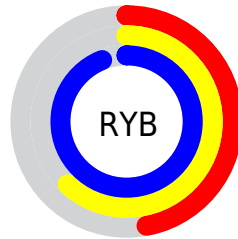
The Yxy color **40.5564, 0.2306, 0.2423** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.9403, 0.4145, 0.4006**, and the grayscale version is **37.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7236, 0.2658, 0.3000**, and **18.3404, 0.2086, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **34.2061, 0.2149, 0.2210**, and if you desaturate by 10%, it is **47.8394, 0.2472, 0.2626**.

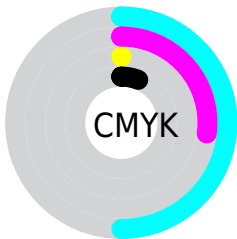
Distribution



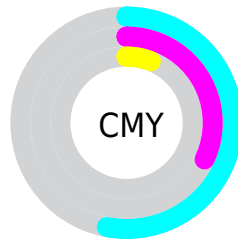
- Red (47%)
- Green (68%)
- Blue (94%)



- Red (47%)
- Yellow (62%)
- Blue (94%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (32%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5564, 0.2306, 0.2423 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 40.5564, 0.2306, 0.2423 by changing the saturation by 10% instead.

■ 40.5564, 0.2306,
0.2423

■ 40.5564, 0.2306,
0.2423

■ 348.4632, 0.2711,
0.2850

■ 27.9726, 0.2209,
0.2321

■ 76.0100, 0.2451,
0.2576

■ 18.3050, 0.2087,
0.2192

■ 99.6487, 0.2506,
0.2634

■ 11.1692, 0.1931,
0.2027

■ 127.7411, 0.2553,
0.2683

■ 6.1808, 0.1725,
0.1810

■ 160.6716, 0.2593,
0.2726

■ 2.9553, 0.1446,
0.1517

■ 198.8247, 0.2628,
0.2763

■ 1.1084, 0.1063,
0.1114

■ 242.5847, 0.2659,

■ 0.0000, 0.0000,

0.2796

0.0000

292.3361, 0.2687,
0.2825

■ 40.5564, 0.2306,
0.2423

■ 40.5564, 0.2306,
0.2423

■ 34.2061, 0.2149,
0.2210

■ 47.8394, 0.2472,
0.2626

■ 28.7371, 0.2007,
0.1994

■ 56.0938, 0.2641,
0.2816

■ 24.0983, 0.1886,
0.1780

■ 65.3612, 0.2808,
0.2991

■ 20.2294, 0.1790,
0.1576

■ 75.6790, 0.2971,
0.3148

■ 17.0502, 0.1719,
0.1389

■ 87.0825, 0.3127,
0.3289

97.8791, 0.3216,
0.3417

99.0709, 0.3214,
0.3434

Harmonies

Analogous

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



40.5564, 0.2126, 0.2622



40.5564, 0.2306, 0.2423



40.5564, 0.2698, 0.2436

Triad

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



40.5564, 0.2306, 0.2423



40.5564, 0.4176, 0.3396



40.5564, 0.2939, 0.4105

Complementary

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



40.5564, 0.2306, 0.2423



54.9403, 0.4145, 0.4006

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.



40.5564, 0.3491, 0.4315



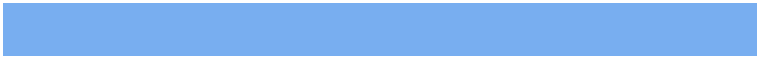
40.5564, 0.2306, 0.2423



40.5564, 0.4232, 0.3829

Square

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



40.5564, 0.2306, 0.2423



40.5564, 0.3800, 0.2973



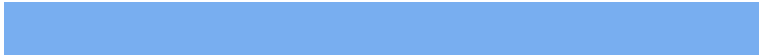
40.5564, 0.3969, 0.4182



40.5564, 0.2464, 0.3602

Rectangle

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



40.5564, 0.2306, 0.2423



40.5564, 0.3051, 0.2549



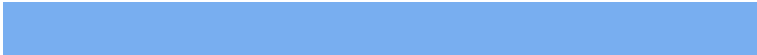
40.5564, 0.3969, 0.4182



40.5564, 0.3122, 0.4215

Sweetspot

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



40.5579, 0.2306, 0.2423



80.7726, 0.2890, 0.3071



69.7610, 0.2739, 0.4019



16.7586, 0.2856, 0.3038



0.0000, 0.0000, 0.0000



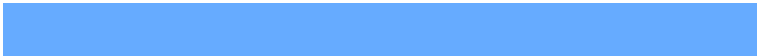
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5579, 0.2306, 0.2423



39.1535, 0.2147, 0.2207



23.9771, 0.2193, 0.1711



16.4019, 0.2980, 0.3157



9.5916, 0.1727, 0.1418



0.9939, 0.1797, 0.1669

Inverse Universe

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



34.9896, 0.3885, 0.2703



33.7013, 0.4127, 0.2608



81.5016, 0.3831, 0.4516



15.8773, 0.3222, 0.3184



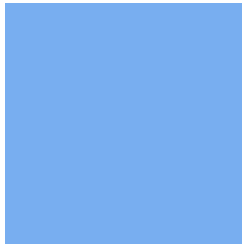
10.7616, 0.5167, 0.2620



0.9151, 0.4844, 0.2442

Previews

White Background



This preview shows how the Yxy color 40.5564, 0.2306, 0.2423 looks on a white background.

Color Contrast Check

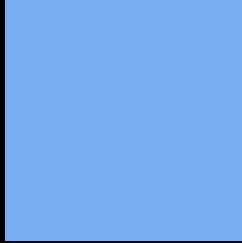
Large Text (above 18pt) WCAG AA × Fail

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 40.5564, 0.2306, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

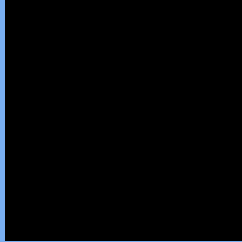
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

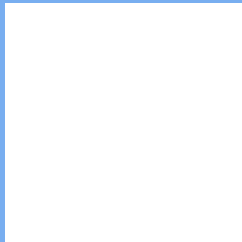
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5564, 0.2306, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 40.5564, 0.2306, 0.2423.



This preview shows how white text looks on a background with the Yxy color 40.5564, 0.2306, 0.2423.

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

40.5564, 0.2306, 0.2423

Protanopia

40.4875, 0.2500, 0.2435

Deuteranopia

40.2854, 0.2427, 0.2363



Tritanopia

40.5513, 0.2477, 0.3067

Trichromacy



Original Color

40.5564, 0.2306, 0.2423

Protanomaly

40.3528, 0.2422, 0.2424

Deuteranomaly

40.2512, 0.2376, 0.2377

Tritanomaly

40.4238, 0.2408, 0.2807

Monochromacy



Original Color

40.5564, 0.2306, 0.2423

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2006, 0.2774, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5564, 0.2306, 0.2423 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(120, 174, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 174, 240)  
}
```

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(120, 174, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 174, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.5564, 0.2306, 0.2423 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(120, 174, 240) }
```

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

```
.border{ border-color:rgb(120, 174, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 174, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 174, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 174, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 174,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5564, 0.2306, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 174, 240) }
```

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

```
.background{ background-color: rgb(120,  
174, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor