

Converting Colors

$Y_{xy}(40.4017, 0.2418, 0.2623)$

Have a look what the booklet for
Yxy(40.4017, 0.2418, 0.2623)
contains.

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Color

Yxy(40.4017, 0.2418, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	7DAFE0
RGB	125, 175, 224
RGB Percent	49%, 69%, 88%
CMY	0.5099, 0.3137, 0.1214
CMYK	0.44, 0.22, 0.00, 0.12
HSL	210°, 62%, 68%
HSV	210°, 44%, 88%
XYZ	37.2441, 40.4017, 76.3828
YIQ	165.6360, -45.5290, 4.6390

Conversions

Conversions Part 2

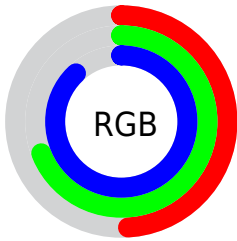
Format	Color
R_{YB}	125, 158, 224
Decimal	8237024
CIE _{Lab}	69.75, -3.75, -29.86
CIE _{LCh}	70, 30.090, 262.844
Yxy	40.4017, 0.2418, 0.2623
Android (android.graphics.Color)	4286427104 (0xFF7DAFE0)
YUV	165.6360, 28.7735, -35.6378
Hunter-Lab	63.5623, -6.6427, -26.7551

Details

The Yxy color **40.4017, 0.2418, 0.2623** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.6153, 0.4026, 0.3865**, and the grayscale version is **37.8237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6374, 0.2676, 0.3013**, and **18.2957, 0.2221, 0.2434** is the 20% darker color. If you saturate the color by 10%, you get **34.7614, 0.2263, 0.2438**, and if you desaturate by 10%, it is **46.7799, 0.2580, 0.2797**.

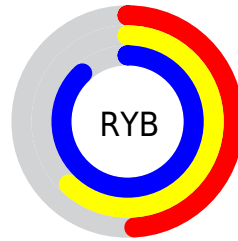
Distribution



Red (49%)

Green (69%)

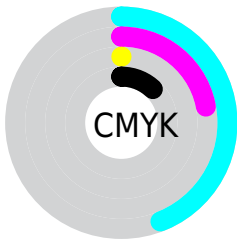
Blue (88%)



Red (49%)

Yellow (62%)

Blue (88%)

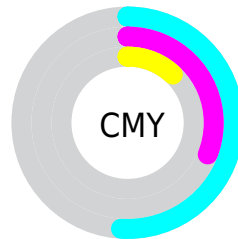


Cyan (44%)

Magenta (22%)

Yellow (0%)

Black (12%)



Cyan (51%)


Magenta (31%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4017, 0.2418, 0.2623 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 40.4017, 0.2418, 0.2623 by changing the saturation by 10% instead.


 40.4017, 0.2418,
0.2623

 40.4017, 0.2418,
0.2623


347.8138, 0.2771,
0.2959


 27.8519, 0.2332,
0.2540


 75.7748, 0.2545,
0.2745

 18.2140, 0.2223,
0.2434


 99.3669, 0.2593,
0.2791

 11.1038, 0.2081,
0.2295


 127.4086, 0.2634,
0.2829

 6.1367, 0.1889,
0.2106

160.2841, 0.2669,
0.2863

 2.9284, 0.1622,
0.1837

198.3781, 0.2699,
0.2892

 1.0944, 0.1234,
0.1439

242.0747, 0.2726,

 0.0000, 0.0000,

0.2917

0.0000

291.7585, 0.2750,
0.2939

■ 40.4017, 0.2418,
0.2623

■ 40.4017, 0.2418,
0.2623

■ 34.7614, 0.2263,
0.2438

■ 46.7799, 0.2580,
0.2797

■ 29.8201, 0.2120,
0.2246

■ 53.9232, 0.2744,
0.2959

■ 25.5415, 0.1993,
0.2051

■ 61.8625, 0.2906,
0.3106

■ 21.8825, 0.1889,
0.1859

■ 70.6255, 0.3063,
0.3239

■ 18.7926, 0.1808,
0.1675

■ 80.2386, 0.3213,
0.3357

■ 17.2217, 0.1771,
0.1573

■ 89.8805, 0.3326,
0.3463

■ 96.6682, 0.3312,
0.3569

■ 98.1639, 0.3309,
0.3591

Harmonies

Analogous

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



40.4017, 0.2317, 0.2836



40.4017, 0.2418, 0.2623



40.4017, 0.2698, 0.2586

Triad

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



40.4017, 0.2418, 0.2623



40.4017, 0.3895, 0.3299



40.4017, 0.3094, 0.3981

Complementary

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



40.4017, 0.2418, 0.2623



47.6153, 0.4026, 0.3865

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.



40.4017, 0.3527, 0.4086



40.4017, 0.2418, 0.2623



40.4017, 0.4009, 0.3652

Square

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



40.4017, 0.2418, 0.2623



40.4017, 0.3557, 0.2964



40.4017, 0.3867, 0.3948



40.4017, 0.2688, 0.3641

Rectangle

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



40.4017, 0.2418, 0.2623



40.4017, 0.2964, 0.2653



40.4017, 0.3867, 0.3948



40.4017, 0.3241, 0.4046

Sweetspot

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



40.4032, 0.2418, 0.2623



84.2182, 0.2923, 0.3122



60.7026, 0.2801, 0.3986



17.4935, 0.2888, 0.3090



0.0000, 0.0000, 0.0000



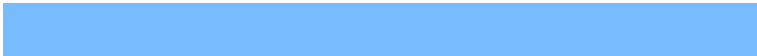
21.4041, 0.3127, 0.3290

Same Dimension

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



40.4032, 0.2418, 0.2623



47.2078, 0.2275, 0.2454



24.8283, 0.2300, 0.1939



14.3814, 0.2981, 0.3171



10.2512, 0.1778, 0.1600



0.8897, 0.1855, 0.1877

Inverse Universe

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



33.6126, 0.3693, 0.2709



38.2917, 0.3871, 0.2599



69.7823, 0.3789, 0.4358



13.8154, 0.3213, 0.3172



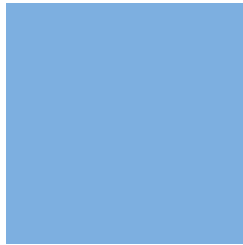
9.9429, 0.4931, 0.2490



0.7073, 0.4594, 0.2304

Previews

White Background



This preview shows how the Yxy color 40.4017, 0.2418, 0.2623 looks on a white background.

Color Contrast Check

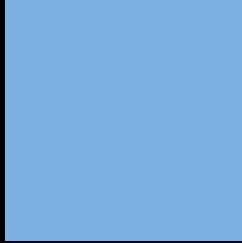
Large Text (above 18pt) WCAG AA × Fail

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 40.4017, 0.2418, 0.2623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

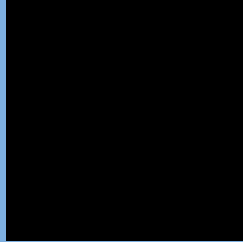
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

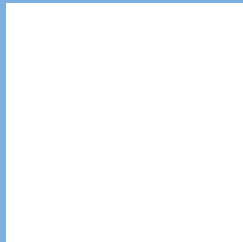
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4017, 0.2418, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 40.4017, 0.2418, 0.2623.



This preview shows how white text looks on a background with the Yxy color 40.4017, 0.2418, 0.2623.

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

40.4017, 0.2418, 0.2623

Protanopia

40.2878, 0.2649, 0.2622

Deuteranopia

40.1963, 0.2595, 0.2528



Tritanopia

40.3646, 0.2548, 0.3069

Trichromacy



Original Color

40.4017, 0.2418, 0.2623

Protanomaly

40.3660, 0.2555, 0.2625

Deuteranomaly

40.2054, 0.2529, 0.2565

Tritanomaly

40.2901, 0.2496, 0.2890

Monochromacy



Original Color

40.4017, 0.2418, 0.2623

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5431, 0.2828, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4017, 0.2418, 0.2623 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(125, 175, 224)` looks like.

```
.text, #text, p{  
    color:rgb(125, 175, 224)  
}
```

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(125, 175, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 175, 224) }
```

Border

The CSS property to change the border of an element to Yxy 40.4017, 0.2418, 0.2623 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(125, 175, 224) }
```

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

```
.border{ border-color:rgb(125, 175, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 175, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 175, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 175, 224);  
box-shadow:4px 4px 4px 4px rgb(125, 175,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4017, 0.2418, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 175, 224) }
```

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

```
.background{ background-color: rgb(125,  
175, 224) }
```

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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