

Converting Colors

$Y_{xy}(40.1211, 0.2479, 0.2593)$

Have a look what the booklet for
Yxy(40.1211, 0.2479, 0.2593)
contains.

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Color

Yxy(40.1211, 0.2479, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	88ACE0
RGB	136, 172, 224
RGB Percent	53%, 67%, 88%
CMY	0.4668, 0.3255, 0.1215
CMYK	0.39, 0.23, 0.00, 0.12
HSL	215°, 59%, 71%
HSV	215°, 39%, 88%
XYZ	38.3572, 40.1211, 76.2502
YIQ	167.1640, -38.1480, 8.5400

Conversions

Conversions Part 2

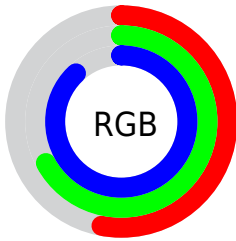
Format	Color
R _Y B	136, 162, 224
Decimal	8957152
CIE Lab	69.56, 0.72, -30.10
CIE LCh	70, 30.104, 271.367
Yxy	40.1211, 0.2479, 0.2593
Android (android.graphics.Color)	4287147232 (0xFF88ACE0)
YUV	167.1640, 28.0201, -27.3308
Hunter-Lab	63.3412, -2.7539, -27.0345

Details

The Yxy color **40.1211, 0.2479, 0.2593** is a light color, and the websafe version is hex **6699CC**, and the color name is **light cobalt blue**. A complement of this color would be **53.5792, 0.3865, 0.3895**, and the grayscale version is **38.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3646, 0.2736, 0.2984**, and **18.0914, 0.2297, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **33.6510, 0.2308, 0.2376**, and if you desaturate by 10%, it is **47.4876, 0.2651, 0.2796**.

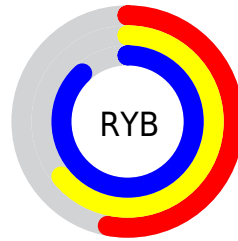
Distribution



Red (53%)

Green (67%)

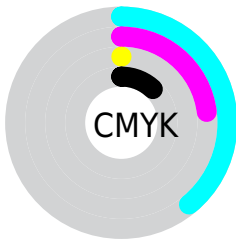
Blue (88%)



Red (53%)

Yellow (64%)

Blue (88%)

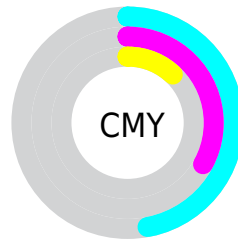


Cyan (39%)

Magenta (23%)

Yellow (0%)

Black (12%)



Cyan (47%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1211, 0.2479, 0.2593 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 40.1211, 0.2479, 0.2593 by changing the saturation by 10% instead.

■ 40.1211, 0.2479,
0.2593

■ 40.1211, 0.2479,
0.2593

■ 346.6337, 0.2803,
0.2941

■ 27.6330, 0.2399,
0.2508

■ 75.3479, 0.2596,
0.2719

■ 18.0492, 0.2298,
0.2399

■ 98.8553, 0.2641,
0.2766

■ 10.9853, 0.2165,
0.2257

■ 126.8047, 0.2678,
0.2806

■ 6.0570, 0.1984,
0.2065

■ 159.5803, 0.2710,
0.2841

■ 2.8797, 0.1730,
0.1795

■ 197.5667, 0.2738,
0.2871

■ 1.0693, 0.1354,
0.1397

■ 241.1481, 0.2763,

■ 0.0000, 0.0000,

0.2897

0.0000

290.7090, 0.2784,
0.2920

■ 40.1211, 0.2479,
0.2593

■ 40.1211, 0.2479,
0.2593

■ 33.6510, 0.2308,
0.2376

■ 47.4876, 0.2651,
0.2796

■ 28.0335, 0.2145,
0.2148

■ 55.7824, 0.2821,
0.2982

■ 23.2275, 0.1996,
0.1917

■ 65.0413, 0.2983,
0.3150

■ 19.1857, 0.1868,
0.1690

■ 75.2965, 0.3138,
0.3300

■ 15.8542, 0.1766,
0.1476

■ 86.5788, 0.3282,
0.3432

■ 13.1552, 0.1691,
0.1281

■ 95.8839, 0.3314,
0.3557

■ 12.9849, 0.1686,
0.1268

■ 98.1624, 0.3309,
0.3591

Harmonies

Analogous

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



40.1211, 0.2324, 0.2756



40.1211, 0.2479, 0.2593



40.1211, 0.2804, 0.2604

Triad

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



40.1211, 0.2479, 0.2593



40.1211, 0.3956, 0.3400



40.1211, 0.2970, 0.3906

Complementary

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



40.1211, 0.2479, 0.2593



53.5792, 0.3865, 0.3895

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.



40.1211, 0.3409, 0.4086



40.1211, 0.2479, 0.2593



40.1211, 0.3996, 0.3747

Square

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



40.1211, 0.2479, 0.2593



40.1211, 0.3672, 0.3053



40.1211, 0.3789, 0.4010



40.1211, 0.2591, 0.3520

Rectangle

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



40.1211, 0.2479, 0.2593



40.1211, 0.3089, 0.2699



40.1211, 0.3789, 0.4010



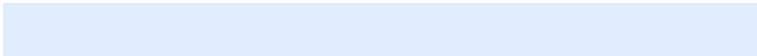
40.1211, 0.3116, 0.3995

Sweetspot

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



40.1226, 0.2479, 0.2593



83.6570, 0.2939, 0.3105



62.1504, 0.2781, 0.3773



17.5505, 0.2918, 0.3083



0.0000, 0.0000, 0.0000



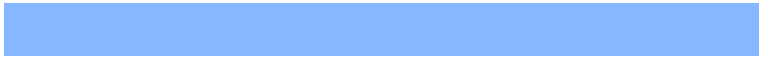
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1226, 0.2479, 0.2593



46.7523, 0.2342, 0.2419



28.8488, 0.2459, 0.2109



14.1601, 0.2981, 0.3148



7.7708, 0.1694, 0.1297



0.7116, 0.1778, 0.1602

Inverse Universe

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



36.4274, 0.3700, 0.2868



42.0994, 0.3876, 0.2784



69.7953, 0.3657, 0.4281



13.7931, 0.3228, 0.3194



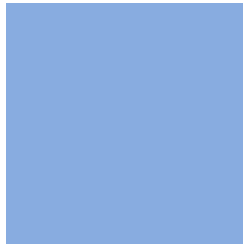
9.6925, 0.5331, 0.2711



0.6893, 0.4929, 0.2489

Previews

White Background



This preview shows how the Yxy color 40.1211, 0.2479, 0.2593 looks on a white background.

Color Contrast Check

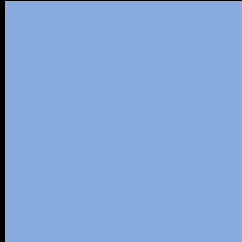
Large Text (above 18pt) WCAG AA × Fail

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 40.1211, 0.2479, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

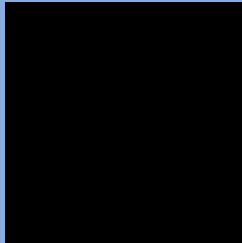
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

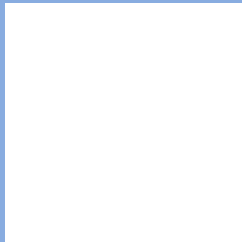
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1211, 0.2479, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 40.1211, 0.2479, 0.2593.



This preview shows how white text looks on a background with the Yxy color 40.1211, 0.2479, 0.2593.

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

40.1211, 0.2479, 0.2593

Protanopia

39.8265, 0.2620, 0.2583

Deuteranopia

40.0422, 0.2594, 0.2538



Tritanopia

40.2358, 0.2633, 0.3086

Trichromacy



Original Color

40.1211, 0.2479, 0.2593

Protanomaly

39.9458, 0.2566, 0.2589

Deuteranomaly

40.1081, 0.2548, 0.2555

Tritanomaly

40.2356, 0.2574, 0.2894

Monochromacy



Original Color

40.1211, 0.2479, 0.2593

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0747, 0.2861, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1211, 0.2479, 0.2593 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(136, 172, 224)` looks like.

```
.text, #text, p{  
    color:rgb(136, 172, 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(136, 172, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 172, 224) }
```

Border

The CSS property to change the border of an element to Yxy 40.1211, 0.2479, 0.2593 is called "border". The border property can be set on classes, ids or directly on the HTML element.

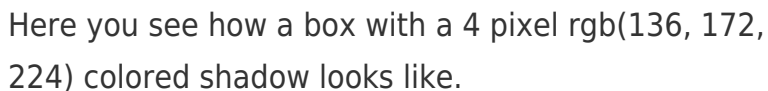
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 172, 224) }
```

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

```
.border{ border-color:rgb(136, 172, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 172, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 172, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 172, 224); box-shadow:4px 4px 4px 4px rgb(136, 172, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1211, 0.2479, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 172, 224) }
```

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

```
.background{ background-color: rgb(136,  
172, 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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