

Converting Colors

$Y_{xy}(41.5774, 0.2535, 0.2745)$

Have a look what the booklet for
Yxy(41.5774, 0.2535, 0.2745)
contains.

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Color

Yxy(41.7724, 0.2537, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	89B1D9
RGB	137, 177, 217
RGB Percent	54%, 69%, 85%
CMY	0.4627, 0.3059, 0.1490
CMYK	0.37, 0.18, 0.00, 0.15
HSL	210°, 51%, 69%
HSV	210°, 37%, 85%
XYZ	38.5650, 41.7724, 71.6728
YIQ	169.6000, -36.6800, 3.9600

Conversions

Conversions Part 2

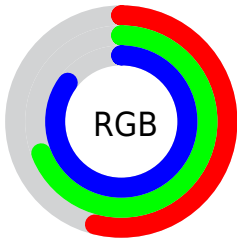
Format	Color
RYB	137, 164, 217
Decimal	9023961
CIELab	70.71, -3.61, -24.47
CIELCh	71, 24.736, 261.615
Yxy	41.7724, 0.2537, 0.2748
Android (android.graphics.Color)	4287214041 (0xFF89B1D9)
YUV	169.6000, 23.3682, -28.5902
Hunter-Lab	64.6316, -6.5962, -20.5072

Details

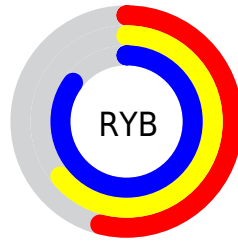
The Yxy color **41.7724, 0.2537, 0.2748** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.0103, 0.3840, 0.3773**, and the grayscale version is **39.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8353, 0.2747, 0.3051**, and **19.1149, 0.2371, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **36.0023, 0.2376, 0.2569**, and if you desaturate by 10%, it is **48.2555, 0.2701, 0.2914**.

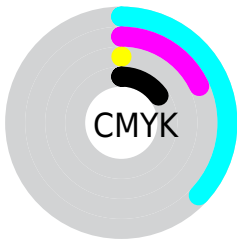
Distribution



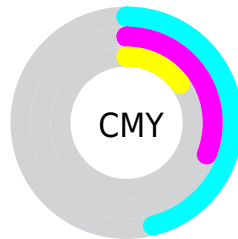
- Red (54%)
- Green (69%)
- Blue (85%)



- Red (54%)
- Yellow (64%)
- Blue (85%)



- Cyan (37%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (46%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7724, 0.2537, 0.2748 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 41.7724, 0.2537, 0.2748 by changing the saturation by 10% instead.

■ 41.7724, 0.2537,
0.2748

■ 41.7724, 0.2537,
0.2748

■ 353.5386, 0.2831,
0.3021

■ 28.9231, 0.2465,
0.2680

■ 77.8550, 0.2643,
0.2847

■ 19.0227, 0.2373,
0.2593

■ 101.8572, 0.2683,
0.2885

■ 11.6867, 0.2252,
0.2477

■ 130.3458, 0.2717,
0.2916

■ 6.5307, 0.2087,
0.2318

■ 163.7051, 0.2746,
0.2943

■ 3.1704, 0.1852,
0.2088

■ 202.3197, 0.2772,
0.2967

■ 1.2213, 0.1496,
0.1732

■ 246.5739, 0.2794,

■ 0.0790, 0.0000,

0.2987

0.0369

296.8520, 0.2814,
0.3005

0.0000, 0.0000,
0.0000

41.7724, 0.2537,
0.2748

41.7724, 0.2537,
0.2748

36.0023, 0.2376,
0.2569

48.2555, 0.2701,
0.2914

30.9102, 0.2223,
0.2380

55.4748, 0.2864,
0.3067

26.4650, 0.2083,
0.2185

63.4582, 0.3022,
0.3204

22.6302, 0.1962,
0.1989

72.2304, 0.3174,
0.3327

19.3645, 0.1862,
0.1797

81.8150, 0.3318,
0.3436

■ 16.6163, 0.1787,
0.1615

■ 89.8425, 0.3370,
0.3539

■ 15.8341, 0.1767,
0.1560

■ 96.4999, 0.3354,
0.3642

■ 97.7896, 0.3352,
0.3661

Harmonies

Analogous

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



41.7724, 0.2459, 0.2934



41.7724, 0.2537, 0.2748



41.7724, 0.2766, 0.2707

Triad

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



41.7724, 0.2537, 0.2748



41.7724, 0.3742, 0.3291



41.7724, 0.3120, 0.3851

Complementary

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



41.7724, 0.2537, 0.2748



48.0103, 0.3840, 0.3773

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.



41.7724, 0.3472, 0.3933



41.7724, 0.2537, 0.2748



41.7724, 0.3844, 0.3584

Square

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



41.7724, 0.2537, 0.2748



41.7724, 0.3464, 0.3013



41.7724, 0.3741, 0.3824



41.7724, 0.2783, 0.3587

Rectangle

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



41.7724, 0.2537, 0.2748



41.7724, 0.2982, 0.2758



41.7724, 0.3741, 0.3824



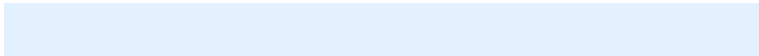
41.7724, 0.3240, 0.3901

Sweetspot

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



41.7740, 0.2537, 0.2748



86.4364, 0.2955, 0.3148



58.1190, 0.2838, 0.3830



18.1638, 0.2934, 0.3129



0.0000, 0.0000, 0.0000



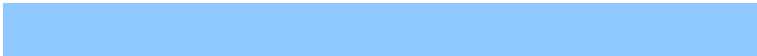
21.4041, 0.3127, 0.3290

Same Dimension

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



41.7740, 0.2537, 0.2748



53.8360, 0.2415, 0.2614



28.2279, 0.2456, 0.2181



13.6872, 0.2982, 0.3170



9.7969, 0.1774, 0.1585



0.8070, 0.1856, 0.1880

Inverse Universe

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



35.8234, 0.3570, 0.2811



44.9631, 0.3701, 0.2714



66.1819, 0.3678, 0.4201



13.1596, 0.3214, 0.3174



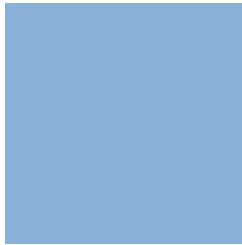
9.6128, 0.4950, 0.2501



0.6402, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 41.7724, 0.2537, 0.2748 looks on a white background.

Color Contrast Check

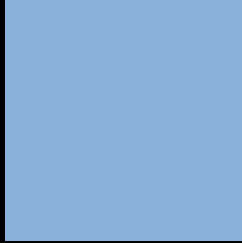
Large Text (above 18pt) WCAG AA × Fail

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 41.7724, 0.2537, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

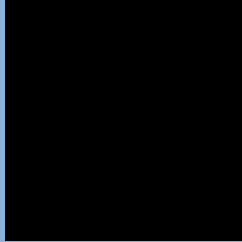
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

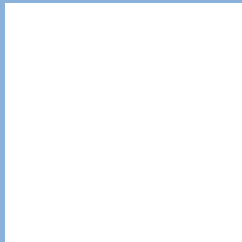
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7724, 0.2537, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 41.7724, 0.2537, 0.2748.

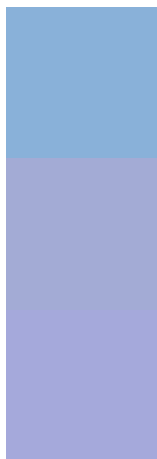


This preview shows how white text looks on a background with the Yxy color 41.7724, 0.2537, 0.2748.

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

41.7724, 0.2537, 0.2748

Protanopia

41.7164, 0.2738, 0.2741

Deuteranopia

41.4897, 0.2710, 0.2647



Tritanopia

41.8934, 0.2647, 0.3089

Trichromacy



Original Color

41.7724, 0.2537, 0.2748

Protanomaly

41.6122, 0.2666, 0.2746

Deuteranomaly

41.5356, 0.2646, 0.2686

Tritanomaly

42.0226, 0.2608, 0.2967

Monochromacy



Original Color

41.7724, 0.2537, 0.2748

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7441, 0.2888, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7724, 0.2537, 0.2748 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(137, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(137, 177, 217)  
}
```

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(137, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 177, 217) }
```

Border

The CSS property to change the border of an element to Yxy 41.7724, 0.2537, 0.2748 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(137, 177, 217) }
```

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

```
.border{ border-color:rgb(137, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(137, 177,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7724, 0.2537, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 177, 217) }
```

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

```
.background{ background-color: rgb(137,  
177, 217) }
```

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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