

Converting Colors

$Y_{xy}(40.7504, 0.2505, 0.2518)$

Have a look what the booklet for
Yxy(40.7504, 0.2505, 0.2518)
contains.

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Color

Yxy(40.9500, 0.2508, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	92ABE6
RGB	146, 171, 230
RGB Percent	57%, 67%, 90%
CMY	0.4276, 0.3293, 0.0981
CMYK	0.37, 0.26, 0.00, 0.10
HSL	222°, 63%, 74%
HSV	222°, 37%, 90%
XYZ	40.6904, 40.9500, 80.6021
YIQ	170.2510, -33.8390, 13.0490

Conversions

Conversions Part 2

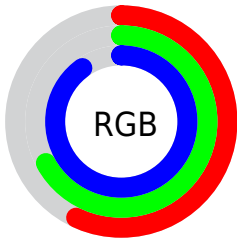
Format	Color
R _Y B	146, 165, 230
Decimal	9612262
CIE Lab	70.14, 5.54, -32.40
CIE LCh	70, 32.874, 279.704
Yxy	40.9500, 0.2508, 0.2524
Android (android.graphics.Color)	4287802342 (0xFF92ABE6)
YUV	170.2510, 29.4563, -21.2681
Hunter-Lab	63.9922, 1.5156, -29.8848

Details

The Yxy color **40.9500, 0.2508, 0.2524** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5119, 0.3768, 0.3951**, and the grayscale version is **40.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1693, 0.2795, 0.2978**, and **18.5250, 0.2337, 0.2321** is the 20% darker color. If you saturate the color by 10%, you get **33.3230, 0.2324, 0.2268**, and if you desaturate by 10%, it is **49.7483, 0.2690, 0.2763**.

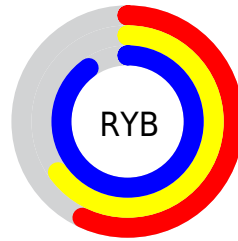
Distribution



Red (57%)

Green (67%)

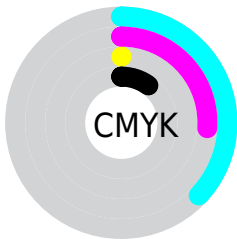
Blue (90%)



Red (57%)

Yellow (65%)

Blue (90%)

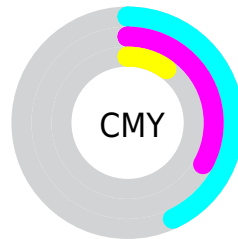


Cyan (37%)

Magenta (26%)

Yellow (0%)

Black (10%)



Cyan (43%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9500, 0.2508, 0.2524 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 40.9500, 0.2508, 0.2524 by changing the saturation by 10% instead.

■ 40.9500, 0.2508,
0.2524

■ 40.9500, 0.2508,
0.2524

■ 350.1116, 0.2818,
0.2901

■ 28.2800, 0.2432,
0.2433

■ 76.6080, 0.2620,
0.2659

■ 18.5368, 0.2335,
0.2319

■ 100.3648, 0.2662,
0.2710

■ 11.3361, 0.2208,
0.2171

■ 128.5860, 0.2698,
0.2754

■ 6.2934, 0.2037,
0.1974

■ 161.6559, 0.2729,
0.2791

■ 3.0243, 0.1795,
0.1701

■ 199.9591, 0.2756,
0.2824

■ 1.1444, 0.1439,
0.1311

■ 243.8798, 0.2779,

■ 0.0156, 0.0478,

0.2853

0.0050

293.8025, 0.2800,
0.2878

0.0000, 0.0000,
0.0000

40.9500, 0.2508,
0.2524

40.9500, 0.2508,
0.2524

33.3230, 0.2324,
0.2268

49.7483, 0.2690,
0.2763

26.8103, 0.2143,
0.2000

59.7619, 0.2864,
0.2980

21.3568, 0.1975,
0.1731

71.0383, 0.3027,
0.3175

16.9005, 0.1828,
0.1471

83.6209, 0.3178,
0.3347

13.3714, 0.1710,
0.1234

96.4065, 0.3277,
0.3501

■ 10.6871, 0.1626,
0.1032

■ 98.4917, 0.3274,
0.3533

■ 9.9194, 0.1603,
0.0971

Harmonies

Analogous

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



40.9500, 0.2288, 0.2643



40.9500, 0.2508, 0.2524



40.9500, 0.2900, 0.2586

Triad

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



40.9500, 0.2508, 0.2524



40.9500, 0.4068, 0.3512



40.9500, 0.2830, 0.3862

Complementary

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



40.9500, 0.2508, 0.2524



62.5119, 0.3768, 0.3951

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.



40.9500, 0.3298, 0.4132



40.9500, 0.2508, 0.2524



40.9500, 0.4030, 0.3872

Square

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



40.9500, 0.2508, 0.2524



40.9500, 0.3826, 0.3132



40.9500, 0.3741, 0.4117



40.9500, 0.2460, 0.3404

Rectangle

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



40.9500, 0.2508, 0.2524



40.9500, 0.3220, 0.2716



40.9500, 0.3741, 0.4117



40.9500, 0.2981, 0.3981

Sweetspot

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



40.9516, 0.2508, 0.2524



83.1415, 0.2955, 0.3089



67.0823, 0.2748, 0.3605



17.3807, 0.2932, 0.3063



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.



40.9516, 0.2508, 0.2524



44.1988, 0.2366, 0.2328



34.0168, 0.2590, 0.2224



14.5845, 0.2981, 0.3120



5.8034, 0.1611, 0.0997



0.5867, 0.1691, 0.1286

Inverse Universe

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



40.3036, 0.3744, 0.3003



43.9902, 0.3940, 0.2943



72.8242, 0.3548, 0.4239



14.4384, 0.3246, 0.3220



9.7836, 0.5763, 0.2948



0.7389, 0.5346, 0.2719

Previews

White Background



This preview shows how the Yxy color 40.9500, 0.2508, 0.2524 looks on a white background.

Color Contrast Check

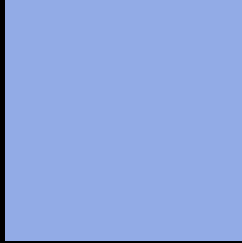
Large Text (above 18pt) WCAG AA × Fail

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 40.9500, 0.2508, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

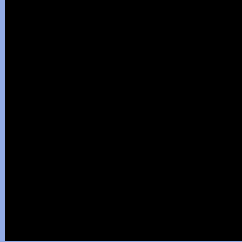
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9500, 0.2508, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 40.9500, 0.2508, 0.2524.



This preview shows how white text looks on a background with the Yxy color 40.9500, 0.2508, 0.2524.

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

40.9500, 0.2508, 0.2524

Protanopia

40.8474, 0.2571, 0.2530

Deuteranopia

40.9591, 0.2559, 0.2508



Tritanopia

40.9649, 0.2696, 0.3089

Trichromacy



Original Color

40.9500, 0.2508, 0.2524

Protanomaly

40.9859, 0.2546, 0.2528

Deuteranomaly

41.0419, 0.2540, 0.2517

Tritanomaly

40.6916, 0.2621, 0.2860

Monochromacy



Original Color

40.9500, 0.2508, 0.2524

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1323, 0.2873, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9500, 0.2508, 0.2524 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(146, 171, 230)` looks like.

```
.text, #text, p{  
    color:rgb(146, 171, 230)  
}
```

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(146, 171, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 171, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.9500, 0.2508, 0.2524 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(146, 171, 230) }
```

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

```
.border{ border-color:rgb(146, 171, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 171, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 171, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 171, 230);  
box-shadow:4px 4px 4px 4px rgb(146, 171,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9500, 0.2508, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 171, 230) }
```

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

```
.background{ background-color: rgb(146,  
171, 230) }
```

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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