

Converting Colors

$Y_{xy}(42.7455, 0.2542, 0.3040)$

Have a look what the booklet for
Yxy(42.7455, 0.2542, 0.3040)
contains.

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Color

Yxy(42.6102, 0.2540, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	79B8CA
RGB	121, 184, 202
RGB Percent	47%, 72%, 79%
CMY	0.5252, 0.2785, 0.2078
CMYK	0.40, 0.09, 0.00, 0.21
HSL	193°, 43%, 63%
HSV	193°, 40%, 79%
XYZ	35.6959, 42.6102, 62.2289
YIQ	167.2150, -43.3260, -7.7580

Conversions

Conversions Part 2

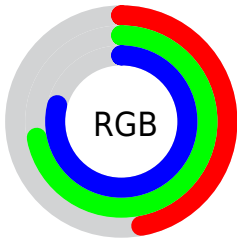
Format	Color
R _{YB}	121, 156, 202
Decimal	7977162
CIE Lab	71.29, -15.51, -15.47
CIE LCh	71, 21.907, 224.942
Yxy	42.6102, 0.2540, 0.3032
Android (android.graphics.Color)	4286167242 (0xFF79B8CA)
YUV	167.2150, 17.1490, -40.5306
Hunter-Lab	65.2765, -16.6227, -10.8283

Details

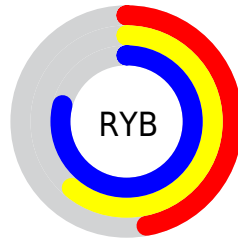
The Yxy color **42.6102, 0.2540, 0.3032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4383, 0.4032, 0.3529**, and the grayscale version is **38.6939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7703, 0.2662, 0.3124**, and **19.5640, 0.2379, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **39.4611, 0.2415, 0.2956**, and if you desaturate by 10%, it is **46.1278, 0.2677, 0.3104**.

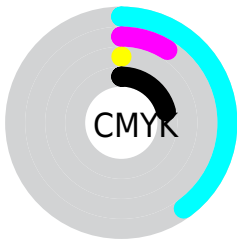
Distribution



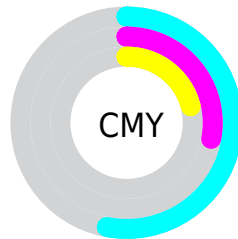
- Red (47%)
- Green (72%)
- Blue (79%)



- Red (47%)
- Yellow (61%)
- Blue (79%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)





- Cyan (53%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6102, 0.2540, 0.3032 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 42.6102, 0.2540, 0.3032 by changing the saturation by 10% instead.


 42.6102, 0.2540,
0.3032

 42.6102, 0.2540,
0.3032


357.0063, 0.2832,
0.3168


 29.5794, 0.2468,
0.2996


 79.1223, 0.2645,
0.3083

 19.5196, 0.2377,
0.2949


 103.3724, 0.2685,
0.3102

 12.0463, 0.2257,
0.2884


 132.1310, 0.2719,
0.3117

 6.7752, 0.2092,
0.2791

165.7826, 0.2748,
0.3131

 3.3219, 0.1854,
0.2645

204.7115, 0.2773,
0.3142

 1.3020, 0.1488,
0.2394

249.3022, 0.2795,

 0.1428, 0.0000,

0.3152

0.1015

299.9390, 0.2814,
0.3160

0.0000, 0.0000,
0.0000

42.6102, 0.2540,
0.3032

42.6102, 0.2540,
0.3032

39.4611, 0.2415,
0.2956

46.1278, 0.2677,
0.3104

36.6556, 0.2304,
0.2877

50.0270, 0.2823,
0.3171

34.1736, 0.2210,
0.2795

54.3261, 0.2973,
0.3233

31.9901, 0.2136,
0.2713

59.0409, 0.3126,
0.3290

30.0755, 0.2081,
0.2631

64.1861, 0.3279,
0.3341

■ 28.3848, 0.2042,
0.2551

■ 69.7757, 0.3429,
0.3386

■ 74.3738, 0.3519,
0.3429

■ 76.7040, 0.3510,
0.3474

■ 79.0977, 0.3501,
0.3519

Harmonies

Analogous

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



42.6102, 0.2650, 0.3317



42.6102, 0.2540, 0.3032



42.6102, 0.2577, 0.2838

Triad

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



42.6102, 0.2540, 0.3032



42.6102, 0.3356, 0.2997



42.6102, 0.3494, 0.3847

Complementary

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



42.6102, 0.2540, 0.3032



32.4383, 0.4032, 0.3529

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.



42.6102, 0.3702, 0.3724



42.6102, 0.2540, 0.3032



42.6102, 0.3624, 0.3235

Square

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



42.6102, 0.2540, 0.3032



42.6102, 0.3035, 0.2830



42.6102, 0.3752, 0.3497



42.6102, 0.3194, 0.3811

Rectangle

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



42.6102, 0.2540, 0.3032



42.6102, 0.2681, 0.2778



42.6102, 0.3752, 0.3497



42.6102, 0.3578, 0.3822

Sweetspot

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



42.6119, 0.2540, 0.3032



90.3793, 0.2941, 0.3221



48.1720, 0.2962, 0.4239



19.1343, 0.2921, 0.3213



0.0000, 0.0000, 0.0000



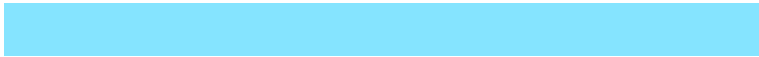
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6119, 0.2540, 0.3032



67.5158, 0.2431, 0.2967



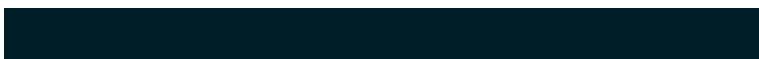
28.2866, 0.2446, 0.2425



12.2866, 0.2983, 0.3237



18.3998, 0.2045, 0.2562



1.0565, 0.2089, 0.2720

Inverse Universe

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



29.7137, 0.3362, 0.2506



43.5125, 0.3429, 0.2348



46.2151, 0.3826, 0.4023



11.3593, 0.3171, 0.3112



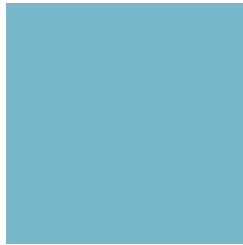
9.6605, 0.3861, 0.1901



0.5092, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 42.6102, 0.2540, 0.3032 looks on a white background.

Color Contrast Check

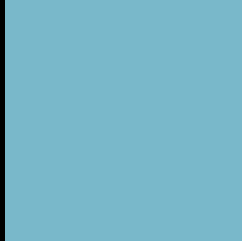
Large Text (above 18pt) WCAG AA × Fail

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 42.6102, 0.2540, 0.3032 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 42.6102, 0.2540, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 42.6102, 0.2540, 0.3032.



This preview shows how white text looks on a background with the Yxy color 42.6102, 0.2540, 0.3032.

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

42.6102, 0.2540, 0.3032

Protanopia

42.4852, 0.2935, 0.2998

Deuteranopia

42.3873, 0.2899, 0.2838



Tritanopia

42.3976, 0.2551, 0.3073

Trichromacy



Original Color

42.6102, 0.2540, 0.3032

Protanomaly

42.2938, 0.2772, 0.3002

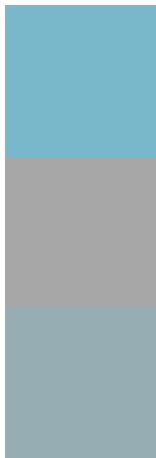
Deuteranomaly

42.0875, 0.2751, 0.2899

Tritanomaly

42.4442, 0.2545, 0.3059

Monochromacy



Original Color

42.6102, 0.2540, 0.3032

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6665, 0.2875, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6102, 0.2540, 0.3032 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(121, 184, 202)` looks like.

```
.text, #text, p{  
    color:rgb(121, 184, 202)  
}
```

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(121, 184, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 184, 202) }
```

Border

The CSS property to change the border of an element to Yxy 42.6102, 0.2540, 0.3032 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(121, 184, 202) }
```

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

```
.border{ border-color:rgb(121, 184, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 184, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 184, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 184, 202);  
box-shadow:4px 4px 4px 4px rgb(121, 184,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6102, 0.2540, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 184, 202) }
```

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

```
.background{ background-color: rgb(121,  
184, 202) }
```

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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