

Converting Colors

$Yxy(42.2642, 0.2521, 0.3097)$

Have a look what the booklet for
Yxy(42.2642, 0.2521, 0.3097)
contains.

Yxy(42.3525, 0.2524, 0.3100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3525, 0.2524, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	72B9C6
RGB	114, 185, 198
RGB Percent	45%, 73%, 78%
CMY	0.5529, 0.2745, 0.2235
CMYK	0.42, 0.07, 0.00, 0.22
HSL	189°, 42%, 61%
HSV	189°, 42%, 78%
XYZ	34.4831, 42.3525, 59.7853
YIQ	165.2530, -46.4890, -11.0090

Conversions

Conversions Part 2

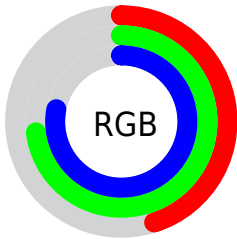
Format	Color
RYB	114, 152, 198
Decimal	7518662
CIELab	71.11, -18.88, -13.58
CIElCh	71, 23.254, 215.723
Yxy	42.3525, 0.2524, 0.3100
Android (android.graphics.Color)	4285708742 (0xFF72B9C6)
YUV	165.2530, 16.1443, -44.9489
Hunter-Lab	65.0788, -19.3066, -8.9122

Details

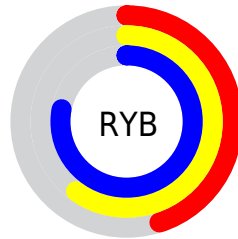
The Yxy color **42.3525, 0.2524, 0.3100** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.4062, 0.4139, 0.3466**, and the grayscale version is **37.6950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6766, 0.2632, 0.3134**, and **19.4157, 0.2356, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **39.8977, 0.2410, 0.3048**, and if you desaturate by 10%, it is **45.1256, 0.2652, 0.3150**.

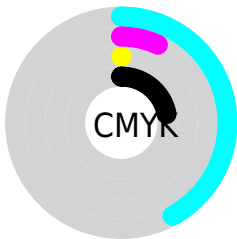
Distribution



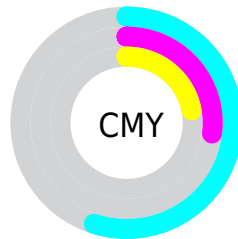
- Red (45%)
- Green (73%)
- Blue (78%)



- Red (45%)
- Yellow (60%)
- Blue (78%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)





- Cyan (55%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3525, 0.2524, 0.3100 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 42.3525, 0.2524, 0.3100 by changing the saturation by 10% instead.


 42.3525, 0.2524,
0.3100


 42.3525, 0.2524,
0.3100


355.9421, 0.2824,
0.3203

 29.3774, 0.2450,
0.3072


 78.7328, 0.2632,
0.3139

 19.3665, 0.2356,
0.3035


 102.9069, 0.2673,
0.3153

 11.9354, 0.2232,
0.2983


 131.5827, 0.2708,
0.3165

 6.6997, 0.2062,
0.2907

165.1447, 0.2738,
0.3175

 3.2750, 0.1816,
0.2784

203.9772, 0.2763,
0.3183

 1.2769, 0.1425,
0.2568

248.4647, 0.2786,

 0.1232, 0.0000,

0.3191

0.1017

298.9915, 0.2806,
0.3197

0.0000, 0.0000,
0.0000

42.3525, 0.2524,
0.3100

42.3525, 0.2524,
0.3100

39.8977, 0.2410,
0.3048

45.1256, 0.2652,
0.3150

37.7375, 0.2312,
0.2994

48.2293, 0.2791,
0.3197

35.8523, 0.2232,
0.2939


51.6813, 0.2938,
0.3241

34.2180, 0.2172,
0.2884

55.4962, 0.3090,
0.3281

32.8055, 0.2130,
0.2829

59.6879, 0.3244,
0.3317

 31.8419, 0.2108,
0.2788

 64.2697, 0.3398,
0.3350

 69.2540, 0.3549,
0.3379

 71.1973, 0.3561,
0.3410

 72.7212, 0.3555,
0.3441

Harmonies

Analogous

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



42.3525, 0.2685, 0.3418



42.3525, 0.2524, 0.3100



42.3525, 0.2515, 0.2859

Triad

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



42.3525, 0.2524, 0.3100



42.3525, 0.3266, 0.2915



42.3525, 0.3599, 0.3858

Complementary

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



42.3525, 0.2524, 0.3100



28.4062, 0.4139, 0.3466

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.



42.3525, 0.3775, 0.3684



42.3525, 0.2524, 0.3100



42.3525, 0.3580, 0.3148

Square

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



42.3525, 0.2524, 0.3100



42.3525, 0.2929, 0.2770



42.3525, 0.3770, 0.3424



42.3525, 0.3300, 0.3878

Rectangle

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



42.3525, 0.2524, 0.3100



42.3525, 0.2595, 0.2768



42.3525, 0.3770, 0.3424



42.3525, 0.3675, 0.3814

Sweetspot

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



42.3541, 0.2524, 0.3100



91.0146, 0.2927, 0.3237



45.4911, 0.2989, 0.4394



19.1784, 0.2893, 0.3228



0.0000, 0.0000, 0.0000



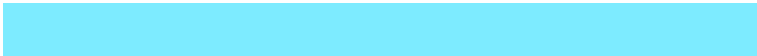
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3541, 0.2524, 0.3100



70.9148, 0.2417, 0.3051



27.4254, 0.2418, 0.2454



11.7770, 0.2984, 0.3253



20.8087, 0.2110, 0.2795



1.0628, 0.2141, 0.2908

Inverse Universe

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



27.5480, 0.3315, 0.2399



41.9049, 0.3368, 0.2221



41.4525, 0.3900, 0.3998



10.7873, 0.3161, 0.3097



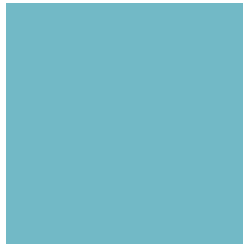
9.6406, 0.3639, 0.1778



0.4643, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 42.3525, 0.2524, 0.3100 looks on a white background.

Color Contrast Check

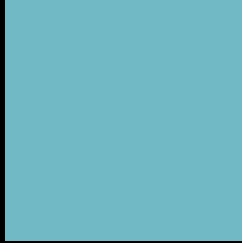
Large Text (above 18pt) WCAG AA × Fail

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 42.3525, 0.2524, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

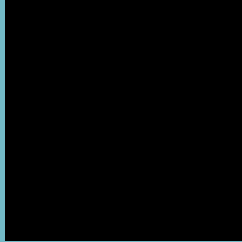
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

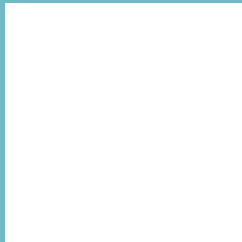
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3525, 0.2524, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 42.3525, 0.2524, 0.3100.



This preview shows how white text looks on a background with the Yxy color 42.3525, 0.2524, 0.3100.

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

42.3525, 0.2524, 0.3100

Protanopia

41.8807, 0.2973, 0.3049

Deuteranopia

41.9401, 0.2938, 0.2875



Tritanopia

42.4455, 0.2512, 0.3072

Trichromacy



Original Color

42.3525, 0.2524, 0.3100

Protanomaly

41.7786, 0.2784, 0.3067

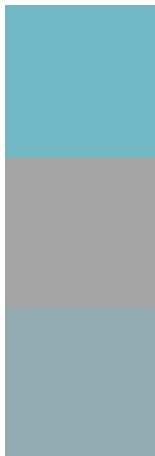
Deuteranomaly

41.7001, 0.2764, 0.2949

Tritanomaly

42.3989, 0.2518, 0.3086

Monochromacy



Original Color

42.3525, 0.2524, 0.3100

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.7904, 0.2864, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3525, 0.2524, 0.3100 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(114, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 185, 198)  
}
```

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(114, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 185, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.3525, 0.2524, 0.3100 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(114, 185, 198) }
```

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

```
.border{ border-color:rgb(114, 185, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 185,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3525, 0.2524, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 185, 198) }
```

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

```
.background{ background-color: rgb(114,  
185, 198) }
```

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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