

Converting Colors

$Y_{xy}(41.2325, 0.2574, 0.3474)$

Have a look what the booklet for
Yxy(41.2325, 0.2574, 0.3474)
contains.

Yxy(41.2325, 0.2574, 0.3474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.2325, 0.2574, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	62BBAF
RGB	98, 187, 175
RGB Percent	38%, 73%, 69%
CMY	0.6154, 0.2667, 0.3137
CMYK	0.48, 0.00, 0.06, 0.27
HSL	172°, 40%, 56%
HSV	172°, 48%, 73%
XYZ	30.5505, 41.2325, 46.9058
YIQ	159.0210, -49.1920, -22.6000

Conversions

Conversions Part 2

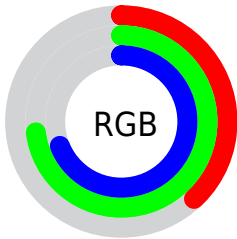
Format	Color
RYB	98, 146, 187
Decimal	6470575
CIELab	70.34, -29.65, -2.19
CIElCh	70, 29.727, 184.225
Yxy	41.2325, 0.2574, 0.3474
Android (android.graphics.Color)	4284660655 (0xFF62BBAF)
YUV	159.0210, 7.8776, -53.5154
Hunter-Lab	64.2125, -27.4467, 1.6388

Details

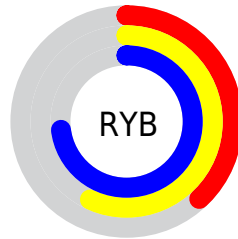
The Yxy color **41.2325, 0.2574, 0.3474** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.4397, 0.4234, 0.3126**, and the grayscale version is **34.6694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2846, 0.2678, 0.3452**, and **18.6172, 0.2406, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **40.2136, 0.2496, 0.3519**, and if you desaturate by 10%, it is **42.4995, 0.2669, 0.3430**.

Distribution



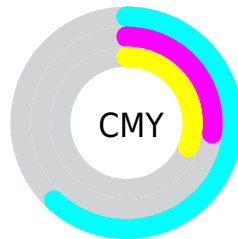
- Red (38%)
- Green (73%)
- Blue (69%)



- Red (38%)
- Yellow (57%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2325, 0.2574, 0.3474 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 41.2325, 0.2574, 0.3474 by changing the saturation by 10% instead.


 41.2325, 0.2574,
0.3474


 41.2325, 0.2574,
0.3474


351.2914, 0.2854,
0.3383


 28.5008, 0.2503,
0.3496


 77.0367, 0.2676,
0.3441


 18.7035, 0.2413,
0.3525


 100.8780, 0.2714,
0.3429

 11.4562, 0.2291,
0.3562


 129.1913, 0.2747,
0.3418

 6.3746, 0.2121,
0.3613

 162.3610, 0.2774,
0.3409

 3.0742, 0.1866,
0.3685

200.7714, 0.2798,
0.3401

 1.1706, 0.1213,
0.3898

244.8071, 0.2819,

 0.0375, 0.0000,

0.3394

0.1620

294.8523, 0.2837,
0.3388

0.0000, 0.0000,
0.0000

41.2325, 0.2574,
0.3474

41.2325, 0.2574,
0.3474

40.2136, 0.2496,
0.3519

42.4995, 0.2669,
0.3430

39.4207, 0.2436,
0.3566

44.0254, 0.2777,
0.3389

38.8362, 0.2395,
0.3613


45.8258, 0.2897,
0.3350

38.4372, 0.2372,
0.3660

47.9141, 0.3026,
0.3315


38.1905, 0.2367,
0.3707

50.3025, 0.3160,
0.3282

 38.1390, 0.2366,
0.3718

 53.0027, 0.3298,
0.3253

 56.0257, 0.3436,
0.3227

 59.3819, 0.3574,
0.3204

 60.8617, 0.3614,
0.3180

Harmonies

Analogous

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



41.2325, 0.2935, 0.3863



41.2325, 0.2574, 0.3474



41.2325, 0.2366, 0.3056

Triad

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



41.2325, 0.2574, 0.3474



41.2325, 0.2849, 0.2627



41.2325, 0.3968, 0.3768

Complementary

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



41.2325, 0.2574, 0.3474



20.4397, 0.4234, 0.3126

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.



41.2325, 0.3953, 0.3433



41.2325, 0.2574, 0.3474



41.2325, 0.3281, 0.2802

Square

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



41.2325, 0.2574, 0.3474



41.2325, 0.2516, 0.2601



41.2325, 0.3695, 0.3089



41.2325, 0.3746, 0.4011

Rectangle

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



41.2325, 0.2574, 0.3474



41.2325, 0.2331, 0.2831



41.2325, 0.3695, 0.3089



41.2325, 0.3992, 0.3662

Sweetspot

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



41.2341, 0.2574, 0.3474



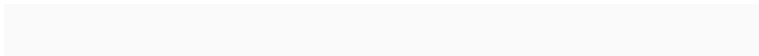
83.2657, 0.2939, 0.3338



39.8276, 0.3155, 0.4726



18.1647, 0.2912, 0.3346



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.2341, 0.2574, 0.3474



71.9679, 0.2493, 0.3521



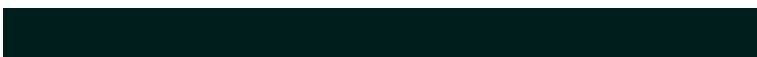
29.9218, 0.2414, 0.2791



10.7868, 0.3002, 0.3321



26.2876, 0.2365, 0.3713



1.0359, 0.2334, 0.3601

Inverse Universe

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



20.4397, 0.4234, 0.3126



30.2807, 0.4632, 0.3101



27.1988, 0.4189, 0.3727



9.5568, 0.3268, 0.3259



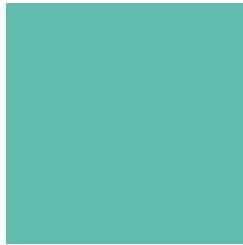
7.3346, 0.6204, 0.3191



0.2942, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 41.2325, 0.2574, 0.3474 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 41.2325, 0.2574, 0.3474 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 41.2325, 0.2574, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 41.2325, 0.2574, 0.3474.

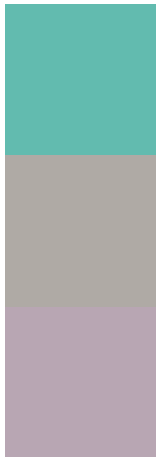


This preview shows how white text looks on a background with the Yxy color 41.2325, 0.2574, 0.3474.

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

41.2325, 0.2574, 0.3474

Protanopia

40.5800, 0.3215, 0.3359

Deuteranopia

40.7175, 0.3181, 0.3118



Tritanopia

41.3615, 0.2471, 0.3082

Trichromacy



Original Color

41.2325, 0.2574, 0.3474

Protanomaly

40.1183, 0.2935, 0.3392

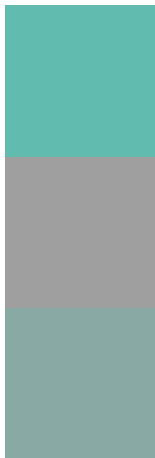
Deuteranomaly

40.2588, 0.2915, 0.3232

Tritanomaly

41.2404, 0.2503, 0.3213

Monochromacy



Original Color

41.2325, 0.2574, 0.3474

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4109, 0.2880, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2325, 0.2574, 0.3474 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(98, 187, 175)` looks like.

```
.text, #text, p{  
    color:rgb(98, 187, 175)  
}
```

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(98, 187, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 187, 175) }
```

Border

The CSS property to change the border of an element to Yxy 41.2325, 0.2574, 0.3474 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(98, 187, 175) }
```

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

```
.border{ border-color:rgb(98, 187, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 187, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 187, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 187, 175);  
box-shadow:4px 4px 4px 4px rgb(98, 187,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2325, 0.2574, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 187, 175) }
```

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

```
.background{ background-color: rgb(98, 187,  
175) }
```

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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