

Converting Colors

$Y_{xy}(40.2360, 0.2537, 0.3441)$

Have a look what the booklet for
Yxy(40.2360, 0.2537, 0.3441)
contains.

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Color

Yxy(40.1597, 0.2536, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	5DB9B0
RGB	93, 185, 176
RGB Percent	36%, 73%, 69%
CMY	0.6352, 0.2745, 0.3098
CMYK	0.50, 0.00, 0.05, 0.27
HSL	174°, 40%, 55%
HSV	174°, 50%, 73%
XYZ	29.7011, 40.1597, 47.2570
YIQ	156.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

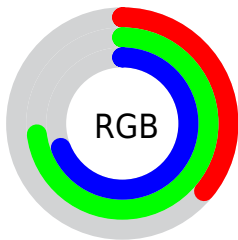
Format	Color
RYB	93, 141, 185
Decimal	6142384
CIELab	69.58, -29.59, -3.87
CIElCh	70, 29.847, 187.447
Yxy	40.1597, 0.2536, 0.3429
Android (android.graphics.Color)	4284332464 (0xFF5DB9B0)
YUV	156.4660, 9.6303, -55.6597
Hunter-Lab	63.3717, -27.2410, 0.1469

Details

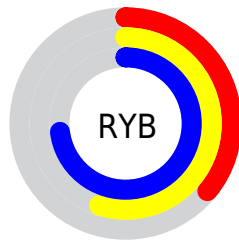
The Yxy color **40.1597, 0.2536, 0.3429** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.1083, 0.4365, 0.3168**, and the grayscale version is **33.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2208, 0.2644, 0.3395**, and **17.9639, 0.2357, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **39.2383, 0.2459, 0.3462**, and if you desaturate by 10%, it is **41.3187, 0.2630, 0.3398**.

Distribution



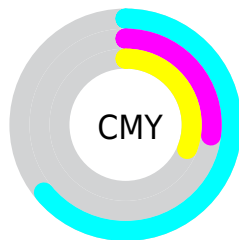
- Red (36%)
- Green (73%)
- Blue (69%)



- Red (36%)
- Yellow (55%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1597, 0.2536, 0.3429 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 40.1597, 0.2536, 0.3429 by changing the saturation by 10% instead.


 40.1597, 0.2536,
0.3429


 40.1597, 0.2536,
0.3429


346.7962, 0.2835,
0.3362

 27.6631, 0.2460,
0.3445


 75.4066, 0.2645,
0.3405

 18.0718, 0.2363,
0.3464


 98.9257, 0.2686,
0.3396

 11.0016, 0.2233,
0.3489


 126.8878, 0.2721,
0.3388

 6.0679, 0.2051,
0.3521

 159.6772, 0.2750,
0.3382

 2.8864, 0.1779,
0.3562

197.6784, 0.2776,
0.3376

 1.0727, 0.0999,
0.3749

241.2757, 0.2798,

 0.0000, 0.0000,

0.3371

0.0000

290.8535, 0.2818,
0.3366

■ 40.1597, 0.2536,
0.3429

■ 40.1597, 0.2536,
0.3429

■ 39.2383, 0.2459,
0.3462

■ 41.3187, 0.2630,
0.3398

■ 38.5326, 0.2400,
0.3495

■ 42.7261, 0.2740,
0.3368

■ 38.0249, 0.2361,
0.3528


■ 44.3975, 0.2861,
0.3339


■ 37.6921, 0.2339,
0.3562

■ 46.3459, 0.2993,
0.3313

■ 37.4893, 0.2332,
0.3594

■ 48.5835, 0.3131,
0.3289

 37.4840, 0.2332,
0.3595

 51.1218, 0.3274,
0.3268

 53.9717, 0.3418,
0.3249

 57.1433, 0.3562,
0.3232

 59.7772, 0.3665,
0.3215

Harmonies

Analogous

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



40.1597, 0.2888, 0.3835



40.1597, 0.2536, 0.3429



40.1597, 0.2345, 0.3011

Triad

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



40.1597, 0.2536, 0.3429



40.1597, 0.2889, 0.2632



40.1597, 0.3965, 0.3806

Complementary

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



40.1597, 0.2536, 0.3429



19.1083, 0.4365, 0.3168

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.



40.1597, 0.3978, 0.3472



40.1597, 0.2536, 0.3429



40.1597, 0.3331, 0.2823

Square

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



40.1597, 0.2536, 0.3429



40.1597, 0.2537, 0.2587



40.1597, 0.3740, 0.3122



40.1597, 0.3717, 0.4037

Rectangle

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



40.1597, 0.2536, 0.3429



40.1597, 0.2325, 0.2795



40.1597, 0.3740, 0.3122



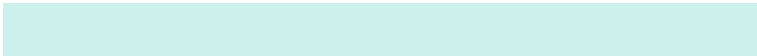
40.1597, 0.3998, 0.3702

Sweetspot

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



40.1613, 0.2536, 0.3429



81.0116, 0.2919, 0.3327



38.3271, 0.3119, 0.4814



17.3108, 0.2892, 0.3333



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.1613, 0.2536, 0.3429



70.0940, 0.2450, 0.3466



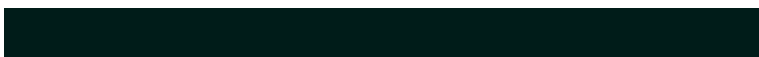
27.0780, 0.2370, 0.2685



10.1951, 0.2998, 0.3312



25.5290, 0.2331, 0.3591



0.9044, 0.2307, 0.3506

Inverse Universe

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



19.1083, 0.4365, 0.3168



27.9416, 0.4831, 0.3152



27.0221, 0.4219, 0.3808



9.0261, 0.3273, 0.3268



7.0583, 0.6269, 0.3227



0.2536, 0.5823, 0.2981

Previews

White Background



This preview shows how the Yxy color 40.1597, 0.2536, 0.3429 looks on a white background.

Color Contrast Check

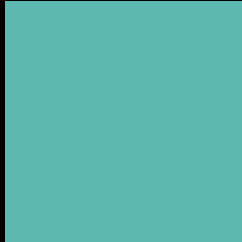
Large Text (above 18pt) WCAG AA × Fail

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 40.1597, 0.2536, 0.3429 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

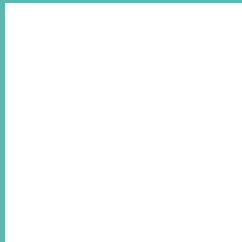
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1597, 0.2536, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 40.1597, 0.2536, 0.3429.

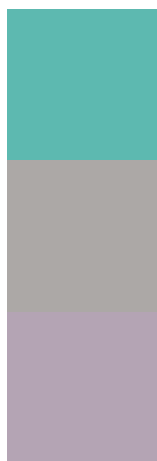


This preview shows how white text looks on a background with the Yxy color 40.1597, 0.2536, 0.3429.

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

40.1597, 0.2536, 0.3429

Protanopia

39.5291, 0.3181, 0.3318

Deuteranopia

39.5495, 0.3137, 0.3076



Tritanopia

40.1964, 0.2445, 0.3065

Trichromacy



Original Color

40.1597, 0.2536, 0.3429

Protanomaly

39.0140, 0.2894, 0.3348

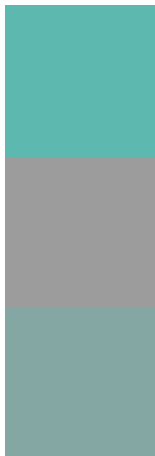
Deuteranomaly

39.0556, 0.2866, 0.3188

Tritanomaly

40.0825, 0.2476, 0.3197

Monochromacy



Original Color

40.1597, 0.2536, 0.3429

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2683, 0.2860, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1597, 0.2536, 0.3429 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(93, 185, 176)` looks like.

```
.text, #text, p{  
    color:rgb(93, 185, 176)  
}
```

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(93, 185, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 185, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.1597, 0.2536, 0.3429 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(93, 185, 176) }
```

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

```
.border{ border-color:rgb(93, 185, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 185, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 185, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 185, 176);  
box-shadow:4px 4px 4px 4px rgb(93, 185,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1597, 0.2536, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 185, 176) }
```

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

```
.background{ background-color: rgb(93, 185,  
176) }
```

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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