

Converting Colors

$Y_{xy}(19.7130, 0.2521, 0.3523)$

Have a look what the booklet for
Yxy(19.7130, 0.2521, 0.3523)
contains.

Yxy(19.7130, 0.2521, 0.3523)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7130, 0.2521, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	3B877C
RGB	59, 135, 124
RGB Percent	23%, 53%, 49%
CMY	0.7686, 0.4706, 0.5137
CMYK	0.56, 0.00, 0.08, 0.47
HSL	171°, 39%, 38%
HSV	171°, 56%, 53%
XYZ	14.1063, 19.7130, 22.1359
YIQ	111.0220, -41.7650, -19.5330

Conversions

Conversions Part 2

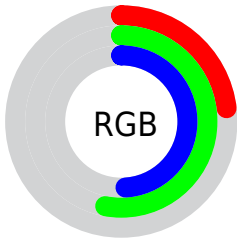
Format	Color
R_{YB}	59, 100, 135
Decimal	3901308
CIE _{Lab}	51.51, -26.27, -1.20
CIE _{LCh}	52, 26.299, 182.619
Yxy	19.7130, 0.2521, 0.3523
Android (android.graphics.Color)	4282091388 (0xFF3B877C)
YUV	111.0220, 6.3982, -45.6233
Hunter-Lab	44.3993, -20.9868, 1.5197

Details

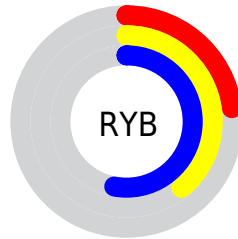
The Yxy color **19.7130, 0.2521, 0.3523** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.7206, 0.4491, 0.3094**, and the grayscale version is **15.8936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0405, 0.2659, 0.3484**, and **7.0050, 0.2342, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **19.3044, 0.2458, 0.3572**, and if you desaturate by 10%, it is **20.2308, 0.2601, 0.3476**.

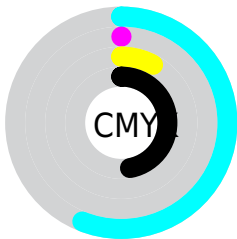
Distribution



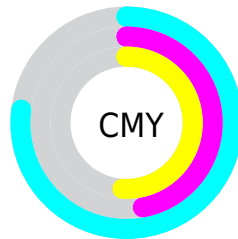
- Red (23%)
- Green (53%)
- Blue (49%)



- Red (23%)
- Yellow (39%)
- Blue (53%)



- Cyan (56%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)





- Cyan (77%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7130, 0.2521, 0.3523 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 19.7130, 0.2521, 0.3523 by changing the saturation by 10% instead.


 19.7130, 0.2521,
0.3523


 19.7130, 0.2521,
0.3523


250.3572, 0.2864,
0.3392


 12.1866, 0.2419,
0.3561


 42.9355, 0.2657,
0.3472


 6.8709, 0.2275,
0.3614


 59.4003, 0.2705,
0.3454

 3.3815, 0.2061,
0.3691

 79.6135, 0.2744,
0.3439

 1.3340, 0.1643,
0.3845

 103.9593, 0.2776,
0.3426

 0.1673, 0.0000,
0.3859

 132.8222, 0.2803,
0.3416

 0.0000, 0.0000,
0.0000

166.5865, 0.2827,

0.3407

205.6367, 0.2847,
0.3399

■ 19.7130, 0.2521,
0.3523

■ 19.7130, 0.2521,
0.3523

■ 19.3044, 0.2458,
0.3572

■ 20.2308, 0.2601,
0.3476

■ 18.9943, 0.2413,
0.3621

■ 20.8631, 0.2696,
0.3431

■ 18.7737, 0.2386,
0.3670

■ 21.6174, 0.2803,
0.3388

■ 18.6265, 0.2375,
0.3720

■ 22.5000, 0.2921,
0.3348

■ 18.5775, 0.2372,
0.3738

■ 23.5168, 0.3046,
0.3311

■ 24.6734, 0.3176,
0.3278

■ 25.9748, 0.3308,
0.3248

■ 27.4261, 0.3442,
0.3221

■ 29.0319, 0.3574,
0.3197

Harmonies

Analogous

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



19.7130, 0.2931, 0.3964



19.7130, 0.2521, 0.3523



19.7130, 0.2281, 0.3043

Triad

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



19.7130, 0.2521, 0.3523



19.7130, 0.2788, 0.2543



19.7130, 0.4083, 0.3802

Complementary

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



19.7130, 0.2521, 0.3523



8.7206, 0.4491, 0.3094

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.



19.7130, 0.4054, 0.3422



19.7130, 0.2521, 0.3523



19.7130, 0.3271, 0.2730

Square

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



19.7130, 0.2521, 0.3523



19.7130, 0.2426, 0.2521



19.7130, 0.3747, 0.3042



19.7130, 0.3841, 0.4091

Rectangle

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



19.7130, 0.2521, 0.3523



19.7130, 0.2236, 0.2786



19.7130, 0.3747, 0.3042



19.7130, 0.4106, 0.3680

Sweetspot

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



19.7138, 0.2521, 0.3523



40.1098, 0.2907, 0.3352



18.9610, 0.3149, 0.4972



9.2240, 0.2887, 0.3359



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.7138, 0.2521, 0.3523



34.3720, 0.2441, 0.3587



13.4887, 0.2317, 0.2699



5.2676, 0.3010, 0.3321



17.1319, 0.2371, 0.3736



0.0601, 0.2305, 0.3498

Inverse Universe

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



8.7206, 0.4491, 0.3094



12.5711, 0.5027, 0.3076



12.0584, 0.4419, 0.3785



4.6989, 0.3258, 0.3259



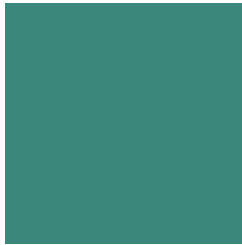
4.7961, 0.6151, 0.3162



0.0173, 0.5359, 0.2726

Previews

White Background



This preview shows how the Yxy color 19.7130, 0.2521, 0.3523 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7130, 0.2521, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

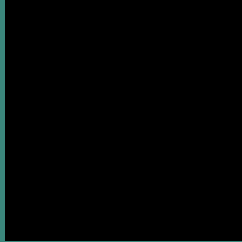
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7130, 0.2521, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 19.7130, 0.2521, 0.3523.

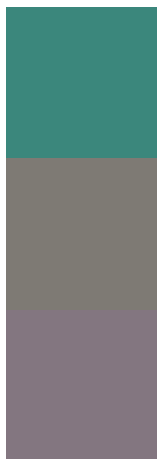


This preview shows how white text looks on a background with the Yxy color 19.7130, 0.2521, 0.3523.

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

19.7130, 0.2521, 0.3523

Protanopia

19.6156, 0.3246, 0.3402

Deuteranopia

19.3407, 0.3173, 0.3110



Tritanopia

19.6439, 0.2413, 0.3066

Trichromacy



Original Color

19.7130, 0.2521, 0.3523

Protanomaly

19.3354, 0.2925, 0.3449

Deuteranomaly

18.9509, 0.2875, 0.3230

Tritanomaly

19.6094, 0.2448, 0.3226

Monochromacy



Original Color

19.7130, 0.2521, 0.3523

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.9692, 0.2840, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7130, 0.2521, 0.3523 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(59, 135, 124)` looks like.

```
.text, #text, p{  
  color:rgb(59, 135, 124)  
}
```

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(59, 135, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 135, 124) }
```

Border

The CSS property to change the border of an element to Yxy 19.7130, 0.2521, 0.3523 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(59, 135, 124) }
```

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

```
.border{ border-color:rgb(59, 135, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 135, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 135, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 135, 124);  
box-shadow:4px 4px 4px 4px rgb(59, 135,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7130, 0.2521, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 135, 124) }
```

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

```
.background{ background-color: rgb(59, 135,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor