

Converting Colors

$Yxy(37.3323, 0.2626, 0.3424)$

Have a look what the booklet for
Yxy(37.3323, 0.2626, 0.3424)
contains.

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Color

Yxy(37.2519, 0.2622, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	68B1A9
RGB	104, 177, 169
RGB Percent	41%, 69%, 66%
CMY	0.5920, 0.3059, 0.3374
CMYK	0.41, 0.00, 0.05, 0.31
HSL	173°, 32%, 55%
HSV	173°, 41%, 69%
XYZ	28.5932, 37.2519, 43.2061
YIQ	154.2610, -40.9400, -17.9640

Conversions

Conversions Part 2

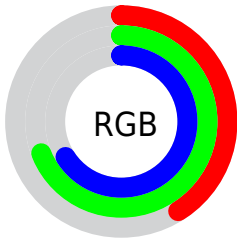
Format	Color
RYB	104, 143, 177
Decimal	6861225
CIELab	67.47, -24.74, -3.06
CIELCh	67, 24.928, 187.057
Yxy	37.2519, 0.2622, 0.3416
Android (android.graphics.Color)	4285051305 (0xFF68B1A9)
YUV	154.2610, 7.2663, -44.0789
Hunter-Lab	61.0343, -23.1868, 0.7527

Details

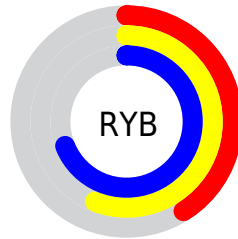
The Yxy color **37.2519, 0.2622, 0.3416** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.4261, 0.4042, 0.3174**, and the grayscale version is **32.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0306, 0.2720, 0.3396**, and **16.3526, 0.2465, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **36.2300, 0.2531, 0.3452**, and if you desaturate by 10%, it is **38.5002, 0.2728, 0.3382**.

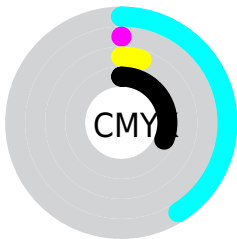
Distribution



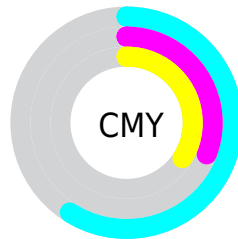
- Red (41%)
- Green (69%)
- Blue (66%)



- Red (41%)
- Yellow (56%)
- Blue (69%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (59%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2519, 0.2622, 0.3416 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 37.2519, 0.2622, 0.3416 by changing the saturation by 10% instead.

 37.2519, 0.2622,
0.3416

 37.2519, 0.2622,
0.3416


334.3998, 0.2881,
0.3354

 25.4026, 0.2555,
0.3431


 70.9600, 0.2718,
0.3394


 16.3773, 0.2468,
0.3451

 93.5877, 0.2753,
0.3385

 9.7915, 0.2350,
0.3476


 120.5768, 0.2783,
0.3378

 5.2609, 0.2181,
0.3510

 152.3119, 0.2809,
0.3372

 2.4012, 0.1922,
0.3556

189.1774, 0.2831,
0.3366

 0.8265, 0.0853,
0.3880

231.5576, 0.2850,

 0.0000, 0.0000,

0.3362

0.0000

279.8370, 0.2867,
0.3357

■ 37.2519, 0.2622,
0.3416

■ 37.2519, 0.2622,
0.3416

■ 36.2300, 0.2531,
0.3452

■ 38.5002, 0.2728,
0.3382

■ 35.4160, 0.2458,
0.3489

■ 39.9832, 0.2846,
0.3350

■ 34.7958, 0.2402,
0.3526


■ 41.7142, 0.2975,
0.3320


■ 34.3516, 0.2366,
0.3564


■ 43.7044, 0.3110,
0.3293

■ 34.0622, 0.2348,
0.3601


■ 45.9641, 0.3250,
0.3269

 33.8971, 0.2343,
0.3634

 48.5030, 0.3392,
0.3247

 51.3305, 0.3533,
0.3227

 54.4555, 0.3673,
0.3210

 56.2710, 0.3737,
0.3192

Harmonies

Analogous

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



37.2519, 0.2929, 0.3756



37.2519, 0.2622, 0.3416



37.2519, 0.2452, 0.3060

Triad

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



37.2519, 0.2622, 0.3416



37.2519, 0.2920, 0.2717



37.2519, 0.3847, 0.3737

Complementary

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



37.2519, 0.2622, 0.3416



20.4261, 0.4042, 0.3174

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.



37.2519, 0.3853, 0.3449



37.2519, 0.2622, 0.3416



37.2519, 0.3299, 0.2883

Square

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



37.2519, 0.2622, 0.3416



37.2519, 0.2616, 0.2683



37.2519, 0.3648, 0.3144



37.2519, 0.3641, 0.3930

Rectangle

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



37.2519, 0.2622, 0.3416



37.2519, 0.2432, 0.2871



37.2519, 0.3648, 0.3144



37.2519, 0.3874, 0.3647

Sweetspot

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



37.2534, 0.2622, 0.3416



74.3836, 0.2962, 0.3323



35.9256, 0.3137, 0.4512



16.0313, 0.2945, 0.3327



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.2534, 0.2622, 0.3416



65.1172, 0.2543, 0.3447



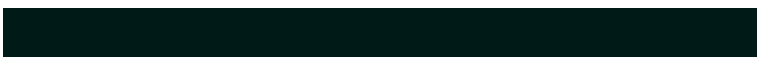
27.6241, 0.2498, 0.2828



9.6151, 0.3000, 0.3315



24.5649, 0.2342, 0.3630



0.7775, 0.2313, 0.3525

Inverse Universe

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



20.4261, 0.4042, 0.3174



31.0695, 0.4346, 0.3153



26.8514, 0.3984, 0.3704



8.5200, 0.3270, 0.3265



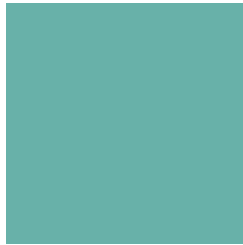
6.8122, 0.6247, 0.3215



0.2192, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 37.2519, 0.2622, 0.3416 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 37.2519, 0.2622, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

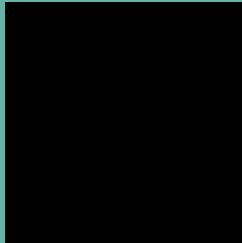
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2519, 0.2622, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 37.2519, 0.2622, 0.3416.

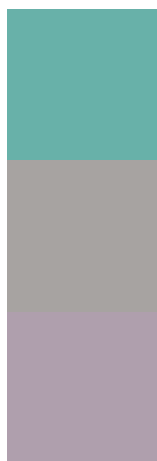


This preview shows how white text looks on a background with the Yxy color 37.2519, 0.2622, 0.3416.

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

37.2519, 0.2622, 0.3416

Protanopia

36.9831, 0.3183, 0.3319

Deuteranopia

36.9274, 0.3155, 0.3097



Tritanopia

37.1542, 0.2526, 0.3075

Trichromacy



Original Color

37.2519, 0.2622, 0.3416

Protanomaly

36.6149, 0.2946, 0.3350

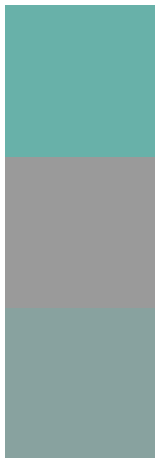
Deuteranomaly

36.6406, 0.2925, 0.3201

Tritanomaly

37.1219, 0.2560, 0.3195

Monochromacy



Original Color

37.2519, 0.2622, 0.3416

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.5781, 0.2914, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2519, 0.2622, 0.3416 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(104, 177, 169)` looks like.

```
.text, #text, p{  
    color:rgb(104, 177, 169)  
}
```

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(104, 177, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 177, 169) }
```

Border

The CSS property to change the border of an element to Yxy 37.2519, 0.2622, 0.3416 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(104, 177, 169) }
```

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

```
.border{ border-color:rgb(104, 177, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 177, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 177, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 177, 169);  
box-shadow:4px 4px 4px 4px rgb(104, 177,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2519, 0.2622, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 177, 169) }
```

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

```
.background{ background-color: rgb(104,  
177, 169) }
```

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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