

Converting Colors

$Y_{xy}(34.3366, 0.2624, 0.3391)$

Have a look what the booklet for
Yxy(34.3366, 0.2624, 0.3391)
contains.

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Color

Yxy(34.2546, 0.2625, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	66AAA4
RGB	102, 170, 164
RGB Percent	40%, 67%, 64%
CMY	0.6003, 0.3333, 0.3569
CMYK	0.40, 0.00, 0.04, 0.33
HSL	175°, 29%, 53%
HSV	175°, 40%, 67%
XYZ	26.5481, 34.2546, 40.3328
YIQ	148.9840, -38.6020, -16.2820

Conversions

Conversions Part 2

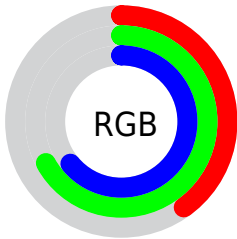
Format	Color
RYB	102, 138, 170
Decimal	6728356
CIELab	65.16, -23.01, -3.70
CIElCh	65, 23.301, 189.131
Yxy	34.2546, 0.2625, 0.3387
Android (android.graphics.Color)	4284918436 (0xFF66AAA4)
YUV	148.9840, 7.4029, -41.2050
Hunter-Lab	58.5274, -21.4553, 0.1108

Details

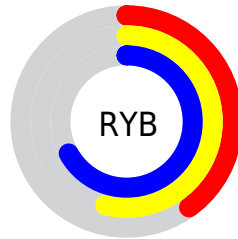
The Yxy color **34.2546, 0.2625, 0.3387** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1168, 0.4022, 0.3200**, and the grayscale version is **30.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5751, 0.2721, 0.3374**, and **14.7551, 0.2471, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **33.3093, 0.2531, 0.3415**, and if you desaturate by 10%, it is **35.4069, 0.2734, 0.3360**.

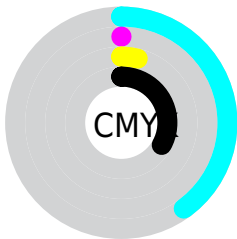
Distribution



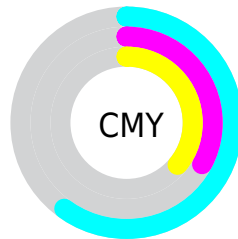
- Red (40%)
- Green (67%)
- Blue (64%)



- Red (40%)
- Yellow (54%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2546, 0.2625, 0.3387 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 34.2546, 0.2625, 0.3387 by changing the saturation by 10% instead.


 34.2546, 0.2625,
0.3387


 34.2546, 0.2625,
0.3387


321.2658, 0.2886,
0.3339


 23.0893, 0.2556,
0.3398


 66.3294, 0.2722,
0.3370


 14.6594, 0.2467,
0.3413


 88.0076, 0.2758,
0.3363

 8.5807, 0.2343,
0.3431

 113.9590, 0.2788,
0.3358

 4.4687, 0.2165,
0.3455

 144.5678, 0.2814,
0.3353

 1.9391, 0.1885,
0.3484

180.2185, 0.2836,
0.3349

 0.5717, 0.0000,
0.3935

221.2955, 0.2855,

 0.0000, 0.0000,

0.3345

0.0000

268.1831, 0.2871,
0.3342

■ 34.2546, 0.2625,
0.3387

■ 34.2546, 0.2625,
0.3387

■ 33.3093, 0.2531,
0.3415

■ 35.4069, 0.2734,
0.3360

■ 32.5544, 0.2453,
0.3444

■ 36.7736, 0.2856,
0.3335

■ 31.9774, 0.2394,
0.3474


■ 38.3667, 0.2988,
0.3312


■ 31.5623, 0.2354,
0.3504


■ 40.1962, 0.3126,
0.3290

■ 31.2906, 0.2332,
0.3533


■ 42.2713, 0.3269,
0.3271

 31.1217, 0.2323,
0.3563

 44.6009, 0.3414,
0.3253

 47.1934, 0.3559,
0.3238

 50.0567, 0.3701,
0.3225

 53.1987, 0.3840,
0.3213

Harmonies

Analogous

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



34.2546, 0.2914, 0.3717



34.2546, 0.2625, 0.3387



34.2546, 0.2471, 0.3049

Triad

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



34.2546, 0.2625, 0.3387



34.2546, 0.2952, 0.2745



34.2546, 0.3812, 0.3738

Complementary

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



34.2546, 0.2625, 0.3387



19.1168, 0.4022, 0.3200

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.



34.2546, 0.3831, 0.3465



34.2546, 0.2625, 0.3387



34.2546, 0.3318, 0.2912

Square

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



34.2546, 0.2625, 0.3387



34.2546, 0.2651, 0.2703



34.2546, 0.3646, 0.3169



34.2546, 0.3602, 0.3912

Rectangle

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



34.2546, 0.2625, 0.3387



34.2546, 0.2459, 0.2872



34.2546, 0.3646, 0.3169



34.2546, 0.3841, 0.3654

Sweetspot

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



34.2560, 0.2625, 0.3387



68.9361, 0.2959, 0.3316



32.9475, 0.3127, 0.4471



15.2896, 0.2942, 0.3319



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.2560, 0.2625, 0.3387



60.6079, 0.2541, 0.3412



25.3017, 0.2514, 0.2825



8.5205, 0.2998, 0.3310



22.8929, 0.2322, 0.3559



0.5602, 0.2295, 0.3462

Inverse Universe

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



19.1168, 0.4022, 0.3200



29.3250, 0.4334, 0.3183



25.2483, 0.3942, 0.3707



7.5527, 0.3272, 0.3270



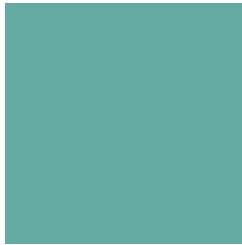
6.3158, 0.6279, 0.3232



0.1569, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 34.2546, 0.2625, 0.3387 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 34.2546, 0.2625, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

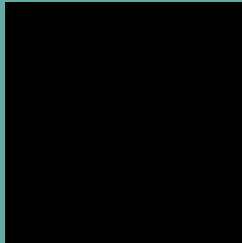
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2546, 0.2625, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 34.2546, 0.2625, 0.3387.



This preview shows how white text looks on a background with the Yxy color 34.2546, 0.2625, 0.3387.

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

34.2546, 0.2625, 0.3387

Protanopia

33.9878, 0.3166, 0.3305

Deuteranopia

33.9344, 0.3137, 0.3076



Tritanopia

34.0378, 0.2533, 0.3068

Trichromacy



Original Color

34.2546, 0.2625, 0.3387

Protanomaly

33.8328, 0.2941, 0.3336

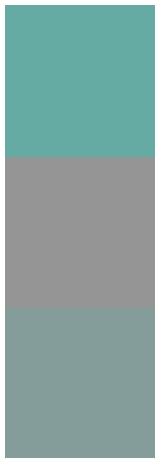
Deuteranomaly

33.5156, 0.2918, 0.3168

Tritanomaly

34.1037, 0.2568, 0.3177

Monochromacy



Original Color

34.2546, 0.2625, 0.3387

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3526, 0.2917, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2546, 0.2625, 0.3387 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(102, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 164)  
}
```

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(102, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 164) }
```

Border

The CSS property to change the border of an element to Yxy 34.2546, 0.2625, 0.3387 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(102, 170, 164) }
```

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

```
.border{ border-color:rgb(102, 170, 164) }
```

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

Here you see how a box with a 4 pixel rgb(102, 170, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2546, 0.2625, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 164) }
```

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

```
.background{ background-color: rgb(102,  
170, 164) }
```

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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