

Converting Colors

$Y_{xy}(34.1037, 0.2615, 0.3359)$

Have a look what the booklet for
Yxy(34.1037, 0.2615, 0.3359)
contains.

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Color

Yxy(34.2908, 0.2619, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	66AAA5
RGB	102, 170, 165
RGB Percent	40%, 67%, 65%
CMY	0.5998, 0.3333, 0.3529
CMYK	0.40, 0.00, 0.03, 0.33
HSL	176°, 29%, 53%
HSV	176°, 40%, 67%
XYZ	26.6491, 34.2908, 40.8132
YIQ	149.0980, -38.9230, -15.9710

Conversions

Conversions Part 2

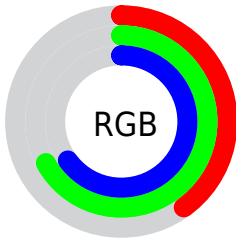
Format	Color
RYB	102, 137, 170
Decimal	6728357
CIELab	65.19, -22.71, -4.22
CIElCh	65, 23.103, 190.516
Yxy	34.2908, 0.2619, 0.3370
Android (android.graphics.Color)	4284918437 (0xFF66AAA5)
YUV	149.0980, 7.8397, -41.3049
Hunter-Lab	58.5583, -21.2441, -0.3323

Details

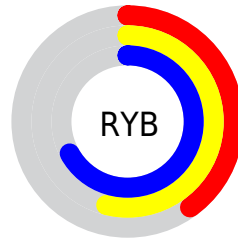
The Yxy color **34.2908, 0.2619, 0.3370** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1186, 0.4035, 0.3216**, and the grayscale version is **30.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6279, 0.2716, 0.3362**, and **14.7775, 0.2462, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **33.3530, 0.2523, 0.3393**, and if you desaturate by 10%, it is **35.4355, 0.2730, 0.3348**.

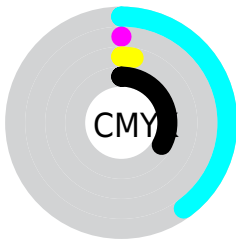
Distribution



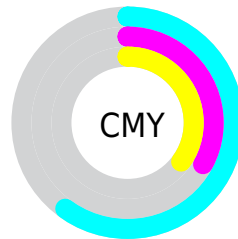
- Red (40%)
- Green (67%)
- Blue (65%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)




- Cyan (60%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2908, 0.2619, 0.3370 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 34.2908, 0.2619, 0.3370 by changing the saturation by 10% instead.

 34.2908, 0.2619,
0.3370


 34.2908, 0.2619,
0.3370


321.4268, 0.2883,
0.3332


 23.1171, 0.2550,
0.3379


 66.3856, 0.2717,
0.3357


 14.6800, 0.2459,
0.3390


 88.0755, 0.2754,
0.3351

 8.5951, 0.2335,
0.3403


 114.0396, 0.2784,
0.3347

 4.4780, 0.2155,
0.3419

 144.6623, 0.2810,
0.3343

 1.9444, 0.1874,
0.3435

180.3280, 0.2832,
0.3340

 0.5749, 0.0000,
0.3844

221.4210, 0.2851,

 0.0000, 0.0000,

0.3337

0.0000

268.3258, 0.2868,
0.3334

■ 34.2908, 0.2619,
0.3370

■ 34.2908, 0.2619,
0.3370

■ 33.3530, 0.2523,
0.3393

■ 35.4355, 0.2730,
0.3348

■ 32.6054, 0.2445,
0.3417

■ 36.7944, 0.2853,
0.3327

■ 32.0354, 0.2385,
0.3442


■ 38.3796, 0.2987,
0.3308

■ 31.6274, 0.2343,
0.3466


■ 40.2009, 0.3128,
0.3290


■ 31.3627, 0.2320,
0.3490


■ 42.2677, 0.3273,
0.3274


 31.2004, 0.2310,
0.3515

 44.5887, 0.3420,
0.3260

 31.2000, 0.2310,
0.3515

 47.1725, 0.3567,
0.3247

 50.0269, 0.3712,
0.3236

 53.1525, 0.3853,
0.3226

Harmonies

Analogous

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



34.2908, 0.2900, 0.3700



34.2908, 0.2619, 0.3370



34.2908, 0.2474, 0.3037

Triad

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



34.2908, 0.2619, 0.3370



34.2908, 0.2970, 0.2755



34.2908, 0.3800, 0.3745

Complementary

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



34.2908, 0.2619, 0.3370



19.1186, 0.4035, 0.3216

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.



34.2908, 0.3828, 0.3477



34.2908, 0.2619, 0.3370



34.2908, 0.3333, 0.2926

Square

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



34.2908, 0.2619, 0.3370



34.2908, 0.2667, 0.2707



34.2908, 0.3654, 0.3184



34.2908, 0.3585, 0.3911

Rectangle

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



34.2908, 0.2619, 0.3370



34.2908, 0.2467, 0.2866



34.2908, 0.3654, 0.3184



34.2908, 0.3832, 0.3663

Sweetspot

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



34.2922, 0.2619, 0.3370



68.9571, 0.2956, 0.3312



32.8779, 0.3118, 0.4472



15.2948, 0.2939, 0.3314



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.



34.2922, 0.2619, 0.3370



60.6888, 0.2533, 0.3391



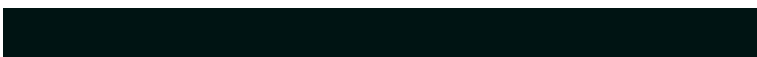
24.9807, 0.2512, 0.2806



8.5224, 0.2996, 0.3306



22.9556, 0.2309, 0.3512



0.5612, 0.2287, 0.3432

Inverse Universe

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



19.1186, 0.4035, 0.3216



29.2848, 0.4355, 0.3201



25.5658, 0.3933, 0.3723



7.5509, 0.3275, 0.3274



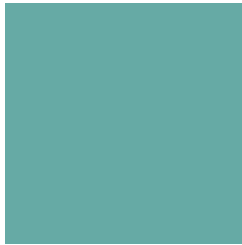
6.3104, 0.6301, 0.3245



0.1562, 0.5883, 0.3015

Previews

White Background



This preview shows how the Yxy color 34.2908, 0.2619, 0.3370 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 34.2908, 0.2619, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

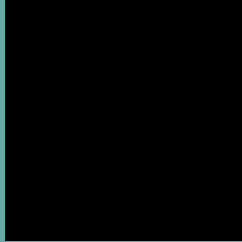
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

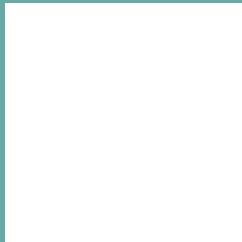
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.2908, 0.2619, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 34.2908, 0.2619, 0.3370.

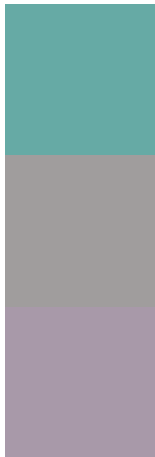


This preview shows how white text looks on a background with the Yxy color 34.2908, 0.2619, 0.3370.

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

34.2908, 0.2619, 0.3370

Protanopia

34.0218, 0.3156, 0.3290

Deuteranopia

33.9719, 0.3128, 0.3062



Tritanopia

34.4056, 0.2536, 0.3084

Trichromacy



Original Color

34.2908, 0.2619, 0.3370

Protanomaly

33.8677, 0.2933, 0.3320

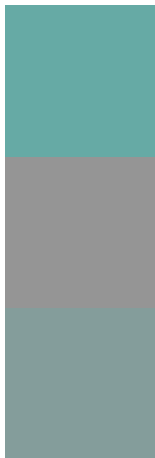
Deuteranomaly

33.5527, 0.2910, 0.3153

Tritanomaly

34.4743, 0.2570, 0.3193

Monochromacy



Original Color

34.2908, 0.2619, 0.3370

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3860, 0.2909, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2908, 0.2619, 0.3370 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 165) }
```

Border

The CSS property to change the border of an element to Yxy 34.2908, 0.2619, 0.3370 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, 165) }
```

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

```
.border{ border-color:rgb(102, 170, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2908, 0.2619, 0.3370 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, 165) }
```

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

```
.background{ background-color: rgb(102,  
170, 165) }
```

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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