

Converting Colors

$Yxy(34.1461, 0.2733, 0.3748)$

Have a look what the booklet for
Yxy(34.1461, 0.2733, 0.3748)
contains.

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Color

Yxy(34.1461, 0.2733, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	62AC91
RGB	98, 172, 145
RGB Percent	38%, 67%, 57%
CMY	0.6157, 0.3255, 0.4314
CMYK	0.43, 0.00, 0.16, 0.33
HSL	158°, 31%, 53%
HSV	158°, 43%, 67%
XYZ	24.8990, 34.1461, 32.0598
YIQ	146.7960, -35.4370, -24.0850

Conversions

Conversions Part 2

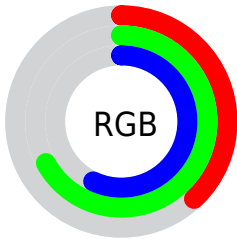
Format	Color
RYB	98, 143, 172
Decimal	6466705
CIELab	65.08, -29.55, 6.74
CIElCh	65, 30.307, 167.159
Yxy	34.1461, 0.2733, 0.3748
Android (android.graphics.Color)	4284656785 (0xFF62AC91)
YUV	146.7960, -0.8854, -42.7941
Hunter-Lab	58.4347, -26.2020, 8.3752

Details

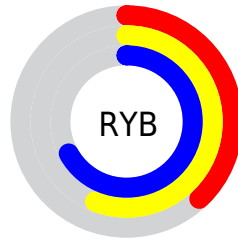
The Yxy color **34.1461, 0.2733, 0.3748** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9873, 0.3811, 0.2885**, and the grayscale version is **29.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2857, 0.2811, 0.3654**, and **14.5553, 0.2595, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **33.1029, 0.2667, 0.3877**, and if you desaturate by 10%, it is **35.4083, 0.2812, 0.3626**.

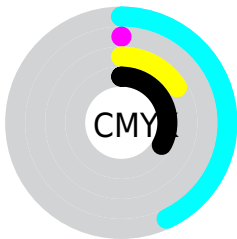
Distribution



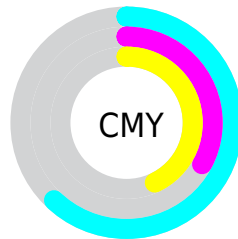
- Red (38%)
- Green (67%)
- Blue (57%)



- Red (38%)
- Yellow (56%)
- Blue (67%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)




- Cyan (62%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1461, 0.2733, 0.3748 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 34.1461, 0.2733, 0.3748 by changing the saturation by 10% instead.

 34.1461, 0.2733,
0.3748


 34.1461, 0.2733,
0.3748


320.7830, 0.2943,
0.3501

 23.0059, 0.2676,
0.3817


 66.1608, 0.2813,
0.3653


 14.5978, 0.2600,
0.3909


 87.8041, 0.2842,
0.3619

 8.5376, 0.2493,
0.4041


 113.7171, 0.2866,
0.3591

 4.4408, 0.2332,
0.4244

 144.2843, 0.2886,
0.3567

 1.9231, 0.2067,
0.4592

179.8901, 0.2903,
0.3547

 0.5622, 0.0000,
0.7992

220.9189, 0.2918,

 0.0000, 0.0000,

0.3529

0.0000

267.7551, 0.2931,
0.3514

■ 34.1461, 0.2733,
0.3748

■ 34.1461, 0.2733,
0.3748

■ 33.1029, 0.2667,
0.3877

■ 35.4083, 0.2812,
0.3626

■ 32.2612, 0.2616,
0.4013

■ 36.8978, 0.2901,
0.3513

■ 31.6073, 0.2584,
0.4152


■ 38.6271, 0.2996,
0.3410

■ 31.1239, 0.2571,
0.4292

■ 40.6070, 0.3096,
0.3316

■ 30.7907, 0.2578,
0.4430


■ 42.8473, 0.3198,
0.3232

 30.6157, 0.2590,
0.4525

 45.3574, 0.3300,
0.3158

 48.1462, 0.3401,
0.3092

 51.2222, 0.3500,
0.3034

 54.5935, 0.3595,
0.2983

Harmonies

Analogous

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



34.1461, 0.3179, 0.4073



34.1461, 0.2733, 0.3748



34.1461, 0.2408, 0.3284

Triad

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



34.1461, 0.2733, 0.3748



34.1461, 0.2602, 0.2538



34.1461, 0.4065, 0.3602

Complementary

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



34.1461, 0.2733, 0.3748



18.9873, 0.3811, 0.2885

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.



34.1461, 0.3893, 0.3226



34.1461, 0.2733, 0.3748



34.1461, 0.3019, 0.2640

Square

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



34.1461, 0.2733, 0.3748



34.1461, 0.2340, 0.2610



34.1461, 0.3498, 0.2885



34.1461, 0.3962, 0.3936

Rectangle

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



34.1461, 0.2733, 0.3748



34.1461, 0.2294, 0.2992



34.1461, 0.3498, 0.2885



34.1461, 0.4038, 0.3477

Sweetspot

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



34.1475, 0.2733, 0.3748



70.0013, 0.2994, 0.3412



34.7589, 0.3298, 0.4507



15.0586, 0.2973, 0.3433



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.



34.1475, 0.2733, 0.3748



60.0657, 0.2667, 0.3876



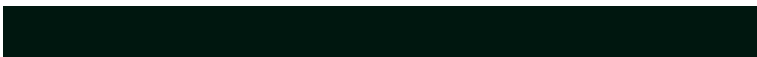
31.4645, 0.2526, 0.3126



9.0217, 0.3033, 0.3374



22.7923, 0.2587, 0.4511



0.6441, 0.2471, 0.4096

Inverse Universe

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



18.9873, 0.3811, 0.2885



28.7879, 0.4057, 0.2799



20.3497, 0.4157, 0.3443



8.0619, 0.3231, 0.3207



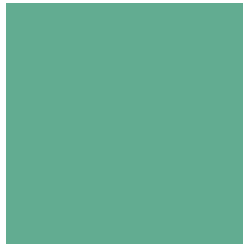
6.8020, 0.5478, 0.2792



0.1999, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 34.1461, 0.2733, 0.3748 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 34.1461, 0.2733, 0.3748 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 34.1461, 0.2733, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 34.1461, 0.2733, 0.3748.

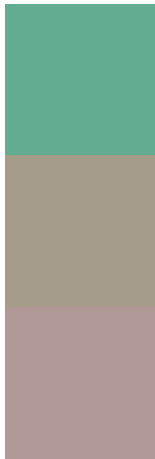


This preview shows how white text looks on a background with the Yxy color 34.1461, 0.2733, 0.3748.

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

34.1461, 0.2733, 0.3748

Protanopia

33.9194, 0.3395, 0.3588

Deuteranopia

33.7404, 0.3392, 0.3334



Tritanopia

34.0585, 0.2546, 0.3084

Trichromacy



Original Color

34.1461, 0.2733, 0.3748

Protanomaly

33.3968, 0.3120, 0.3639

Deuteranomaly

33.1374, 0.3110, 0.3461

Tritanomaly

34.1090, 0.2616, 0.3321

Monochromacy



Original Color

34.1461, 0.2733, 0.3748

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5194, 0.2957, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1461, 0.2733, 0.3748 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(98, 172, 145)` looks like.

```
.text, #text, p{  
    color:rgb(98, 172, 145)  
}
```

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(98, 172, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 172, 145) }
```

Border

The CSS property to change the border of an element to Yxy 34.1461, 0.2733, 0.3748 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(98, 172, 145) }
```

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

```
.border{ border-color:rgb(98, 172, 145) }
```

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

Here you see how a box with a 4 pixel rgb(98, 172, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 172, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 172, 145);  
box-shadow:4px 4px 4px 4px rgb(98, 172,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1461, 0.2733, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 172, 145) }
```

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

```
.background{ background-color: rgb(98, 172,  
145) }
```

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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