

Converting Colors

$Yxy(35.3052, 0.2707, 0.3758)$

Have a look what the booklet for
Yxy(35.3052, 0.2707, 0.3758)
contains.

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Color

Yxy(35.2533, 0.2712, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	60AF93
RGB	96, 175, 147
RGB Percent	38%, 69%, 58%
CMY	0.6234, 0.3137, 0.4236
CMYK	0.45, 0.00, 0.16, 0.31
HSL	159°, 33%, 53%
HSV	159°, 45%, 69%
XYZ	25.4206, 35.2533, 33.0599
YIQ	148.1870, -38.0960, -25.4560

Conversions

Conversions Part 2

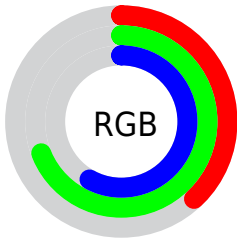
Format	Color
RYB	96, 144, 175
Decimal	6336403
CIELab	65.95, -31.07, 6.86
CIELCh	66, 31.816, 167.546
Yxy	35.2533, 0.2712, 0.3761
Android (android.graphics.Color)	4284526483 (0xFF60AF93)
YUV	148.1870, -0.5852, -45.7680
Hunter-Lab	59.3745, -27.4823, 8.5493

Details

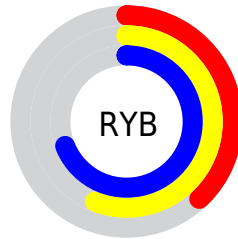
The Yxy color **35.2533, 0.2712, 0.3761** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9405, 0.3874, 0.2877**, and the grayscale version is **29.7130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9482, 0.2797, 0.3664**, and **15.2350, 0.2580, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **34.2189, 0.2648, 0.3888**, and if you desaturate by 10%, it is **36.5124, 0.2790, 0.3641**.

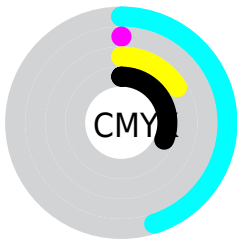
Distribution



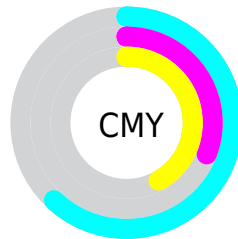
- Red (38%)
- Green (69%)
- Blue (58%)



- Red (38%)
- Yellow (56%)
- Blue (69%)



- Cyan (45%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (62%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2533, 0.2712, 0.3761 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 35.2533, 0.2712, 0.3761 by changing the saturation by 10% instead.


 35.2533, 0.2712,
0.3761


 35.2533, 0.2712,
0.3761

325.6850, 0.2932,
0.3508


 23.8581, 0.2653,
0.3831


 67.8780, 0.2795,
0.3664


 15.2284, 0.2574,
0.3925


 89.8762, 0.2825,
0.3629

 8.9798, 0.2464,
0.4058

 116.1776, 0.2851,
0.3601

 4.7280, 0.2300,
0.4260

 147.1664, 0.2872,
0.3576

 2.0886, 0.2032,
0.4604

183.2272, 0.2890,
0.3555

 0.6582, 0.0000,
0.7353

224.7443, 0.2906,

 0.0000, 0.0000,

0.3537

0.0000

272.1021, 0.2920,
0.3522

■ 35.2533, 0.2712,
0.3761

■ 35.2533, 0.2712,
0.3761

■ 34.2189, 0.2648,
0.3888

■ 36.5124, 0.2790,
0.3641

■ 33.3905, 0.2600,
0.4020

■ 38.0049, 0.2878,
0.3530

■ 32.7535, 0.2571,
0.4155


■ 39.7443, 0.2974,
0.3427


■ 32.2893, 0.2562,
0.4291


■ 41.7418, 0.3074,
0.3334


■ 31.9751, 0.2572,
0.4425

■ 44.0078, 0.3178,
0.3250

 31.8510, 0.2581,
0.4490

 46.5521, 0.3282,
0.3176

 49.3843, 0.3384,
0.3110

 52.5131, 0.3485,
0.3052

 55.9472, 0.3583,
0.3001

Harmonies

Analogous

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



35.2533, 0.3173, 0.4103



35.2533, 0.2712, 0.3761



35.2533, 0.2379, 0.3277

Triad

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



35.2533, 0.2712, 0.3761



35.2533, 0.2587, 0.2512



35.2533, 0.4102, 0.3615

Complementary

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



35.2533, 0.2712, 0.3761



18.9405, 0.3874, 0.2877

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.



35.2533, 0.3927, 0.3227



35.2533, 0.2712, 0.3761



35.2533, 0.3020, 0.2620

Square

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



35.2533, 0.2712, 0.3761



35.2533, 0.2314, 0.2582



35.2533, 0.3518, 0.2874



35.2533, 0.3990, 0.3962

Rectangle

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



35.2533, 0.2712, 0.3761



35.2533, 0.2263, 0.2974



35.2533, 0.3518, 0.2874



35.2533, 0.4076, 0.3486

Sweetspot

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



35.2547, 0.2712, 0.3761



71.4777, 0.2982, 0.3418



35.8643, 0.3304, 0.4575



15.7295, 0.2961, 0.3439



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.



35.2547, 0.2712, 0.3761



61.3161, 0.2649, 0.3885



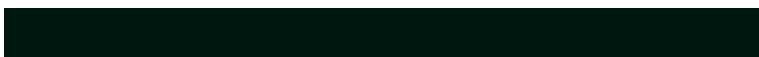
32.3033, 0.2501, 0.3116



9.0231, 0.3032, 0.3372



22.8210, 0.2576, 0.4475



0.6448, 0.2464, 0.4071

Inverse Universe

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



18.9405, 0.3874, 0.2877



28.4378, 0.4130, 0.2797



20.3817, 0.4233, 0.3450



8.0605, 0.3233, 0.3210



6.7874, 0.5519, 0.2814



0.1994, 0.4681, 0.2353

Previews

White Background



This preview shows how the Yxy color 35.2533, 0.2712, 0.3761 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 35.2533, 0.2712, 0.3761 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 35.2533, 0.2712, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 35.2533, 0.2712, 0.3761.

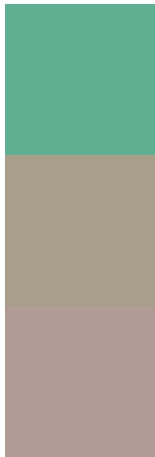


This preview shows how white text looks on a background with the Yxy color 35.2533, 0.2712, 0.3761.

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

35.2533, 0.2712, 0.3761

Protanopia

34.8758, 0.3391, 0.3585

Deuteranopia

34.8105, 0.3399, 0.3333



Tritanopia

35.2743, 0.2522, 0.3071

Trichromacy



Original Color

35.2533, 0.2712, 0.3761

Protanomaly

34.5260, 0.3101, 0.3651

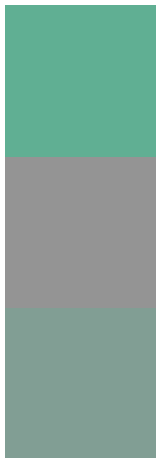
Deuteranomaly

34.3386, 0.3100, 0.3474

Tritanomaly

35.2701, 0.2584, 0.3304

Monochromacy



Original Color

35.2533, 0.2712, 0.3761

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.2590, 0.2941, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2533, 0.2712, 0.3761 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(96, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(96, 175, 147)  
}
```

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(96, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 175, 147) }
```

Border

The CSS property to change the border of an element to Yxy 35.2533, 0.2712, 0.3761 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(96, 175, 147) }
```

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

```
.border{ border-color:rgb(96, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 175, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 175, 147);  
box-shadow:4px 4px 4px 4px rgb(96, 175,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2533, 0.2712, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 175, 147) }
```

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

```
.background{ background-color: rgb(96, 175,  
147) }
```

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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