

Converting Colors

$Y_{xy}(33.4955, 0.2513, 0.2738)$

Have a look what the booklet for
Yxy(33.4955, 0.2513, 0.2738)
contains.

| | |
|---|----|
| Yxy(33.6319, 0.2511, 0.2740) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.6319, 0.2511, 0.2740)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 79A1C6 |
| RGB | 121, 161, 198 |
| RGB Percent | 47%, 63%, 78% |
| CMY | 0.5255, 0.3686, 0.2235 |
| CMYK | 0.39, 0.19, 0.00, 0.22 |
| HSL | 209°, 40%, 63% |
| HSV | 209°, 39%, 78% |
| XYZ | 30.8211, 33.6319, 58.2912 |
| YIQ | 153.2580, -35.7170, 3.0270 |

Conversions

Conversions Part 2

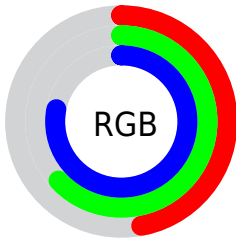
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 121, 147, 198 |
| Decimal | 7971270 |
| CIE Lab | 64.67, -4.20, -23.31 |
| CIE LCh | 65, 23.688, 259.781 |
| Yxy | 33.6319, 0.2511, 0.2740 |
| Android (android.graphics.Color) | 4286161350 (0xFF79A1C6) |
| YUV | 153.2580, 22.0578, -28.2903 |
| Hunter-Lab | 57.9930, -6.6219, -18.9997 |

Details

The Yxy color **33.6319, 0.2511, 0.2740** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8318, 0.3891, 0.3778**, and the grayscale version is **31.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5618, 0.2629, 0.2849**, and **14.3944, 0.2326, 0.2577** is the 20% darker color. If you saturate the color by 10%, you get **29.1479, 0.2354, 0.2568**, and if you desaturate by 10%, it is **38.6649, 0.2672, 0.2901**.

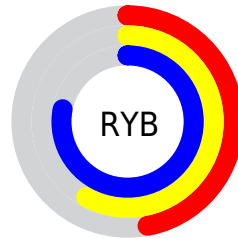
Distribution



Red (47%)

Green (63%)

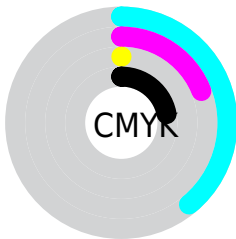
Blue (78%)



Red (47%)

Yellow (58%)

Blue (78%)

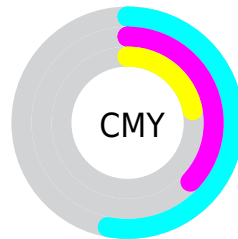


Cyan (39%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6319, 0.2511, 0.2740 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 33.6319, 0.2511, 0.2740 by changing the saturation by 10% instead.

■ 33.6319, 0.2511,
0.2740

■ 33.6319, 0.2511,
0.2740

318.4876, 0.2829,
0.3028

■ 22.6110, 0.2429,
0.2665

■ 65.3608, 0.2628,
0.2847

■ 14.3065, 0.2324,
0.2566

■ 86.8376, 0.2672,
0.2887

■ 8.3342, 0.2181,
0.2433

■ 112.5685, 0.2708,
0.2920

■ 4.3095, 0.1982,
0.2242

142.9378, 0.2740,
0.2948

■ 1.8482, 0.1685,
0.1953

178.3300, 0.2766,
0.2972

■ 0.5169, 0.1052,
0.1399

219.1294, 0.2790,

■ 0.0000, 0.0000,

0.2993

0.0000

265.7205, 0.2810,
0.3011

■ 33.6319, 0.2511,
0.2740

■ 33.6319, 0.2511,
0.2740

■ 29.1479, 0.2354,
0.2568

■ 38.6649, 0.2672,
0.2901

■ 25.1853, 0.2207,
0.2386

■ 44.2650, 0.2833,
0.3049

■ 21.7196, 0.2073,
0.2200

■ 50.4541, 0.2991,
0.3182

■ 18.7220, 0.1959,
0.2013

■ 57.2514, 0.3144,
0.3303

■ 16.1594, 0.1866,
0.1830

■ 64.6755, 0.3289,
0.3410

■ 13.9805, 0.1795,
0.1655

■ 72.7439, 0.3427,
0.3504

■ 13.7562, 0.1788,
0.1636

■ 80.5933, 0.3522,
0.3590

■ 85.9582, 0.3502,
0.3683

■ 91.6152, 0.3483,
0.3773

Harmonies

Analogous

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



33.6319, 0.2441, 0.2940



33.6319, 0.2511, 0.2740



33.6319, 0.2737, 0.2689

Triad

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



33.6319, 0.2511, 0.2740



33.6319, 0.3747, 0.3272



33.6319, 0.3142, 0.3880

Complementary

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



33.6319, 0.2511, 0.2740



37.8318, 0.3891, 0.3778

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.



33.6319, 0.3502, 0.3951



33.6319, 0.2511, 0.2740



33.6319, 0.3865, 0.3573

Square

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



33.6319, 0.2511, 0.2740



33.6319, 0.3452, 0.2989



33.6319, 0.3770, 0.3827



33.6319, 0.2792, 0.3617

Rectangle

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



33.6319, 0.2511, 0.2740



33.6319, 0.2956, 0.2736



33.6319, 0.3770, 0.3827



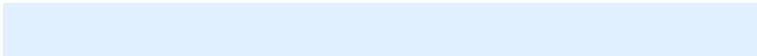
33.6319, 0.3266, 0.3927

Sweetspot

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



33.6332, 0.2511, 0.2740



85.6293, 0.2940, 0.3140



46.8829, 0.2843, 0.3902



18.0140, 0.2919, 0.3122



0.0000, 0.0000, 0.0000



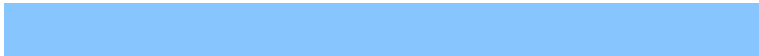
21.4041, 0.3127, 0.3290

Same Dimension

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



33.6332, 0.2511, 0.2740



52.5122, 0.2373, 0.2589



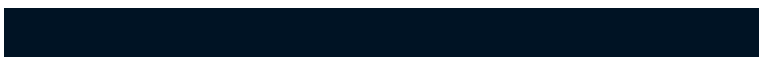
22.4449, 0.2423, 0.2156



11.1840, 0.2983, 0.3176



9.1185, 0.1794, 0.1659



0.5763, 0.1896, 0.2027

Inverse Universe

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



28.2505, 0.3582, 0.2768



42.6809, 0.3733, 0.2653



52.6091, 0.3715, 0.4217



10.7275, 0.3210, 0.3171



8.4605, 0.4857, 0.2449



0.4152, 0.4423, 0.2210

Previews

White Background



This preview shows how the Yxy color 33.6319, 0.2511, 0.2740 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 33.6319, 0.2511, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

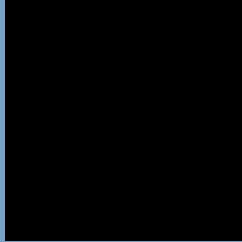
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

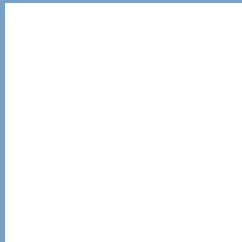
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6319, 0.2511, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 33.6319, 0.2511, 0.2740.



This preview shows how white text looks on a background with the Yxy color 33.6319, 0.2511, 0.2740.

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

33.6319, 0.2511, 0.2740

Protanopia

33.5408, 0.2728, 0.2732

Deuteranopia

33.6709, 0.2699, 0.2643



Tritanopia

33.8376, 0.2616, 0.3085

Trichromacy



Original Color

33.6319, 0.2511, 0.2740

Protanomaly

33.4573, 0.2650, 0.2737

Deuteranomaly

33.7264, 0.2630, 0.2686

Tritanomaly

33.9053, 0.2581, 0.2966

Monochromacy



Original Color

33.6319, 0.2511, 0.2740

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3042, 0.2873, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6319, 0.2511, 0.2740 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(121, 161, 198)` looks like.

```
.text, #text, p{  
    color:rgb(121, 161, 198)  
}
```

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(121, 161, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 161, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.6319, 0.2511, 0.2740 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(121, 161, 198) }
```

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

```
.border{ border-color:rgb(121, 161, 198) }
```

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

Here you see how a box with a 4 pixel rgb(121, 161, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 161, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 161, 198);  
box-shadow:4px 4px 4px 4px rgb(121, 161,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6319, 0.2511, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 161, 198) }
```

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

```
.background{ background-color: rgb(121,  
161, 198) }
```

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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