

Converting Colors

$Y_{xy}(33.5669, 0.2619, 0.2277)$

Have a look what the booklet for
Yxy(33.5669, 0.2619, 0.2277)
contains.

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Color

Yxy(33.6210, 0.2624, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	A292E0
RGB	162, 146, 224
RGB Percent	64%, 57%, 88%
CMY	0.3648, 0.4274, 0.1217
CMYK	0.28, 0.35, 0.00, 0.12
HSL	252°, 56%, 73%
HSV	252°, 35%, 88%
XYZ	38.6259, 33.6210, 74.9554
YIQ	159.6760, -15.5020, 27.6500

Conversions

Conversions Part 2

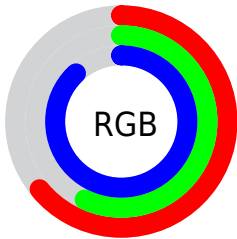
Format	Color
RYB	162, 146, 224
Decimal	10654432
CIELab	64.66, 22.68, -37.52
CIELCh	65, 43.845, 301.147
Yxy	33.6210, 0.2624, 0.2284
Android (android.graphics.Color)	4288844512 (0xFFA292E0)
YUV	159.6760, 31.7117, 2.0381
Hunter-Lab	57.9836, 17.4367, -36.0556

Details

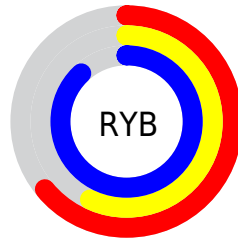
The Yxy color **33.6210, 0.2624, 0.2284** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.7862, 0.3526, 0.4192**, and the grayscale version is **34.8532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4340, 0.2885, 0.2707**, and **14.1997, 0.2463, 0.2017** is the 20% darker color. If you saturate the color by 10%, you get **25.6444, 0.2443, 0.1950**, and if you desaturate by 10%, it is **43.2171, 0.2791, 0.2605**.

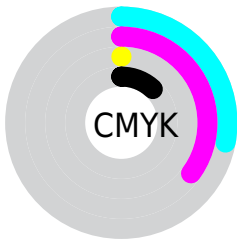
Distribution



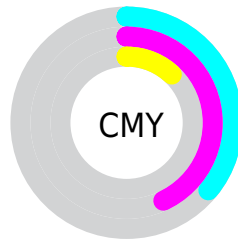
- Red (64%)
- Green (57%)
- Blue (88%)



- Red (64%)
- Yellow (57%)
- Blue (88%)



- Cyan (28%)
- Magenta (35%)
- Yellow (0%)
- Black (12%)





- Cyan (36%)
- Magenta (43%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6210, 0.2624, 0.2284 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 33.6210, 0.2624, 0.2284 by changing the saturation by 10% instead.


 33.6210, 0.2624,
0.2284


 33.6210, 0.2624,
0.2284


318.4388, 0.2890,
0.2776

 22.6026, 0.2554,
0.2167


 65.3439, 0.2723,
0.2459

 14.3003, 0.2464,
0.2020


 86.8171, 0.2760,
0.2526

 8.3299, 0.2342,
0.1832


112.5441, 0.2791,
0.2583

 4.3067, 0.2170,
0.1585

142.9092, 0.2817,
0.2633

 1.8466, 0.1918,
0.1254

178.2968, 0.2839,
0.2675

 0.5160, 0.1536,
0.0747

219.0914, 0.2859,

 0.0000, 0.0000,

0.2713

0.0000

265.6772, 0.2875,
0.2747

■ 33.6210, 0.2624,
0.2284

■ 33.6210, 0.2624,
0.2284

■ 25.6444, 0.2443,
0.1950

■ 43.2171, 0.2791,
0.2605

■ 19.1930, 0.2255,
0.1616

■ 54.5122, 0.2940,
0.2902

■ 14.1687, 0.2068,
0.1303

■ 67.5849, 0.3071,
0.3171

■ 10.4601, 0.1896,
0.1034

■ 82.5081, 0.3184,
0.3411

■ 7.9388, 0.1749,
0.0828

■ 97.4175, 0.3284,
0.3594

■ 6.4492, 0.1638,
0.0697

■ 98.1604, 0.3310,
0.3592

■ 5.9573, 0.1594,
0.0652

Harmonies

Analogous

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



33.6210, 0.2159, 0.2255



33.6210, 0.2624, 0.2284



33.6210, 0.3281, 0.2521

Triad

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



33.6210, 0.2624, 0.2284



33.6210, 0.4454, 0.3925



33.6210, 0.2312, 0.3644

Complementary

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



33.6210, 0.2624, 0.2284



68.7862, 0.3526, 0.4192

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.



33.6210, 0.2868, 0.4287



33.6210, 0.2624, 0.2284



33.6210, 0.4114, 0.4361

Square

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



33.6210, 0.2624, 0.2284



33.6210, 0.4410, 0.3412



33.6210, 0.3528, 0.4545



33.6210, 0.1992, 0.2952

Rectangle

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



33.6210, 0.2624, 0.2284



33.6210, 0.3748, 0.2772



33.6210, 0.3528, 0.4545



33.6210, 0.2476, 0.3883

Sweetspot

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



33.6223, 0.2624, 0.2284



81.1499, 0.3004, 0.3033



56.7918, 0.2611, 0.3092



16.8452, 0.2985, 0.2994



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.



33.6223, 0.2624, 0.2284



36.8939, 0.2490, 0.2034



38.3044, 0.2956, 0.2373



13.3777, 0.3012, 0.3050



3.5077, 0.1605, 0.0658



0.2811, 0.1749, 0.0737

Inverse Universe

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



40.9619, 0.3312, 0.2589



48.2965, 0.3364, 0.2442



63.8530, 0.3238, 0.4282



13.8851, 0.3169, 0.3105



11.1162, 0.3803, 0.1869



0.7828, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 33.6210, 0.2624, 0.2284 looks on a white background.

Color Contrast Check

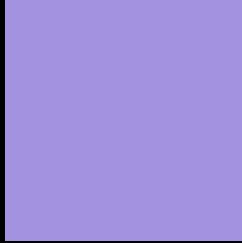
Large Text (above 18pt) WCAG AA × Fail

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 33.6210, 0.2624, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

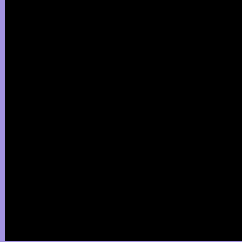
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6210, 0.2624, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 33.6210, 0.2624, 0.2284.



This preview shows how white text looks on a background with the Yxy color 33.6210, 0.2624, 0.2284.

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

33.6210, 0.2624, 0.2284

Protanopia

33.7060, 0.2367, 0.2258

Deuteranopia

33.7032, 0.2434, 0.2372



Tritanopia

33.5578, 0.2965, 0.3111

Trichromacy



Original Color

33.6210, 0.2624, 0.2284

Protanomaly

33.4854, 0.2453, 0.2268

Deuteranomaly

33.7135, 0.2500, 0.2338

Tritanomaly

33.4252, 0.2834, 0.2778

Monochromacy



Original Color

33.6210, 0.2624, 0.2284

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.4387, 0.2938, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6210, 0.2624, 0.2284 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(162, 146, 224)` looks like.

```
.text, #text, p{  
    color:rgb(162, 146, 224)  
}
```

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(162, 146, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 146, 224) }
```

Border

The CSS property to change the border of an element to Yxy 33.6210, 0.2624, 0.2284 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(162, 146, 224) }
```

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

```
.border{ border-color:rgb(162, 146, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 146, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 146, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 146, 224);  
box-shadow:4px 4px 4px 4px rgb(162, 146,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6210, 0.2624, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 146, 224) }
```

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

```
.background{ background-color: rgb(162,  
146, 224) }
```

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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