

Converting Colors

$Y_{xy}(35.8405, 0.2478, 0.2617)$

Have a look what the booklet for
Yxy(35.8405, 0.2478, 0.2617)
contains.

Yxy(35.8164, 0.2473, 0.2612)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8164, 0.2473, 0.2612)

Conversions

Conversions Part 1

Format	Color
Hex	7FA4D4
RGB	127, 164, 212
RGB Percent	50%, 64%, 83%
CMY	0.5019, 0.3568, 0.1687
CMYK	0.40, 0.23, 0.00, 0.17
HSL	214°, 50%, 66%
HSV	214°, 40%, 83%
XYZ	33.9104, 35.8164, 67.3957
YIQ	158.4090, -37.4600, 7.0840

Conversions

Conversions Part 2

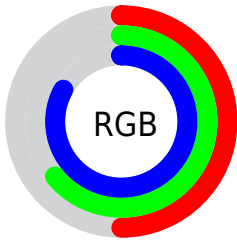
Format	Color
RYB	127, 153, 212
Decimal	8365268
CIELab	66.38, -0.46, -28.41
CIELCh	66, 28.416, 269.073
Yxy	35.8164, 0.2473, 0.2612
Android (android.graphics.Color)	4286555348 (0xFF7FA4D4)
YUV	158.4090, 26.4204, -27.5457
Hunter-Lab	59.8468, -3.5902, -24.8759

Details

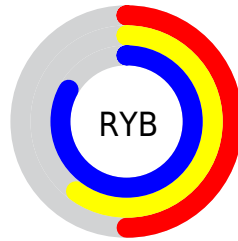
The Yxy color **35.8164, 0.2473, 0.2612** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.1816, 0.3890, 0.3879**, and the grayscale version is **34.2796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8281, 0.2668, 0.2888**, and **15.4391, 0.2279, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **30.2730, 0.2306, 0.2405**, and if you desaturate by 10%, it is **42.1081, 0.2642, 0.2806**.

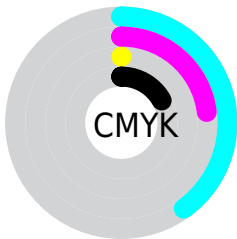
Distribution



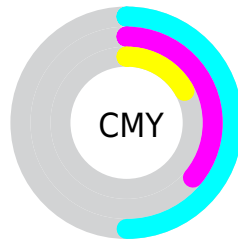
- Red (50%)
- Green (64%)
- Blue (83%)



- Red (50%)
- Yellow (60%)
- Blue (83%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8164, 0.2473, 0.2612 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 35.8164, 0.2473, 0.2612 by changing the saturation by 10% instead.

■ 35.8164, 0.2473,
0.2612

■ 35.8164, 0.2473,
0.2612

■ 328.1574, 0.2806,
0.2958

■ 24.2924, 0.2389,
0.2525

■ 68.7486, 0.2595,
0.2739

■ 15.5507, 0.2281,
0.2412

■ 90.9256, 0.2641,
0.2786

■ 9.2068, 0.2138,
0.2263

■ 117.4224, 0.2679,
0.2826

■ 4.8763, 0.1941,
0.2057

■ 148.6234, 0.2712,
0.2860

■ 2.1749, 0.1656,
0.1760

■ 184.9130, 0.2740,
0.2890

■ 0.7062, 0.1209,
0.1294

■ 226.6756, 0.2765,

■ 0.0000, 0.0000,

0.2915

0.0000

274.2956, 0.2787,
0.2938

■ 35.8164, 0.2473,
0.2612

■ 35.8164, 0.2473,
0.2612

■ 30.2730, 0.2306,
0.2405

■ 42.1081, 0.2642,
0.2806

■ 25.4411, 0.2148,
0.2188

■ 49.1745, 0.2810,
0.2984

■ 21.2864, 0.2004,
0.1967

■ 57.0454, 0.2972,
0.3145

■ 17.7693, 0.1881,
0.1750

■ 65.7478, 0.3126,
0.3289

■ 14.8443, 0.1783,
0.1543

■ 75.3071, 0.3271,
0.3417

■ 12.4555, 0.1709,
0.1353

■ 85.7477, 0.3407,
0.3529

■ 93.0165, 0.3393,
0.3643

■ 97.5322, 0.3382,
0.3711

Harmonies

Analogous

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



35.8164, 0.2335, 0.2786



35.8164, 0.2473, 0.2612



35.8164, 0.2782, 0.2610

Triad

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



35.8164, 0.2473, 0.2612



35.8164, 0.3926, 0.3372



35.8164, 0.3006, 0.3915

Complementary

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



35.8164, 0.2473, 0.2612



46.1816, 0.3890, 0.3879

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.



35.8164, 0.3436, 0.4072



35.8164, 0.2473, 0.2612



35.8164, 0.3985, 0.3715

Square

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



35.8164, 0.2473, 0.2612



35.8164, 0.3632, 0.3033



35.8164, 0.3799, 0.3982



35.8164, 0.2626, 0.3548

Rectangle

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



35.8164, 0.2473, 0.2612



35.8164, 0.3056, 0.2696



35.8164, 0.3799, 0.3982



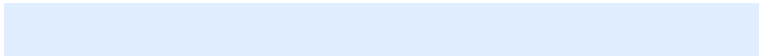
35.8164, 0.3150, 0.3996

Sweetspot

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



35.8178, 0.2473, 0.2612



84.1184, 0.2939, 0.3113



54.6335, 0.2793, 0.3823



17.6589, 0.2918, 0.3093



0.0000, 0.0000, 0.0000



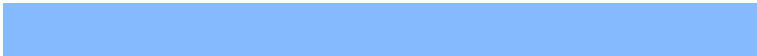
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8178, 0.2473, 0.2612



47.2441, 0.2332, 0.2438



24.7821, 0.2423, 0.2079



12.8892, 0.2982, 0.3155



7.8829, 0.1717, 0.1379



0.6384, 0.1810, 0.1717

Inverse Universe

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



31.8571, 0.3687, 0.2835



41.4661, 0.3864, 0.2742



61.9772, 0.3688, 0.4288



12.5097, 0.3224, 0.3189



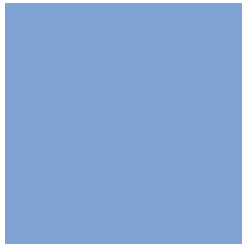
9.1406, 0.5219, 0.2649



0.5678, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 35.8164, 0.2473, 0.2612 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 35.8164, 0.2473, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

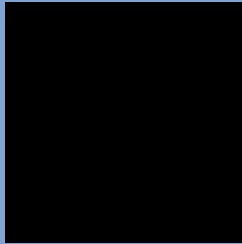
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

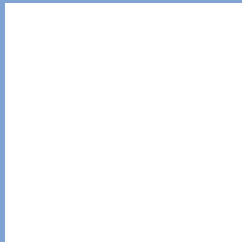
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8164, 0.2473, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 35.8164, 0.2473, 0.2612.

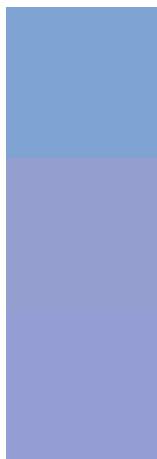


This preview shows how white text looks on a background with the Yxy color 35.8164, 0.2473, 0.2612.

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

35.8164, 0.2473, 0.2612

Protanopia

35.6462, 0.2641, 0.2615

Deuteranopia

35.5537, 0.2605, 0.2541



Tritanopia

35.7168, 0.2612, 0.3075

Trichromacy



Original Color

35.8164, 0.2473, 0.2612

Protanomaly

35.6686, 0.2577, 0.2621

Deuteranomaly

35.5212, 0.2549, 0.2558

Tritanomaly

35.6701, 0.2557, 0.2888

Monochromacy



Original Color

35.8164, 0.2473, 0.2612

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5590, 0.2856, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8164, 0.2473, 0.2612 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(127, 164, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 164, 212)  
}
```

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(127, 164, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 164, 212) }
```

Border

The CSS property to change the border of an element to Yxy 35.8164, 0.2473, 0.2612 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(127, 164, 212) }
```

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

```
.border{ border-color:rgb(127, 164, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 164, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 164, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 164, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 164,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8164, 0.2473, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 164, 212) }
```

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

```
.background{ background-color: rgb(127,  
164, 212) }
```

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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