

Converting Colors

$Y_{xy}(36.3464, 0.2457, 0.2668)$

Have a look what the booklet for
Yxy(36.3464, 0.2457, 0.2668)
contains.

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Color

Yxy(36.4282, 0.2459, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	7AA7D2
RGB	122, 167, 210
RGB Percent	48%, 65%, 82%
CMY	0.5216, 0.3451, 0.1765
CMYK	0.42, 0.20, 0.00, 0.18
HSL	209°, 49%, 65%
HSV	209°, 42%, 82%
XYZ	33.4742, 36.4282, 66.2269
YIQ	158.4470, -40.6230, 3.8330

Conversions

Conversions Part 2

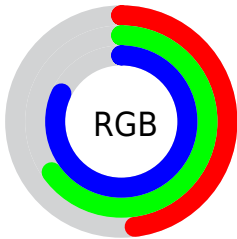
Format	Color
RYB	122, 152, 210
Decimal	8038354
CIELab	66.85, -4.00, -26.62
CIElCh	67, 26.916, 261.460
Yxy	36.4282, 0.2459, 0.2676
Android (android.graphics.Color)	4286228434 (0xFF7AA7D2)
YUV	158.4470, 25.4156, -31.9640
Hunter-Lab	60.3558, -6.6239, -22.8084

Details

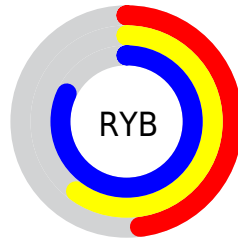
The Yxy color **36.4282, 0.2459, 0.2676** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.0006, 0.3966, 0.3827**, and the grayscale version is **34.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8097, 0.2643, 0.2919**, and **15.8570, 0.2269, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **31.4491, 0.2303, 0.2497**, and if you desaturate by 10%, it is **42.0392, 0.2620, 0.2844**.

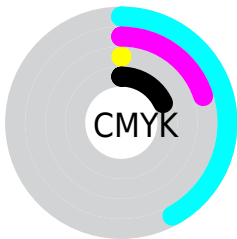
Distribution



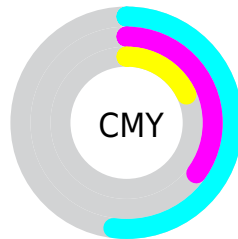
- Red (48%)
- Green (65%)
- Blue (82%)



- Red (48%)
- Yellow (60%)
- Blue (82%)



- Cyan (42%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4282, 0.2459, 0.2676 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 36.4282, 0.2459, 0.2676 by changing the saturation by 10% instead.

■ 36.4282, 0.2459,
0.2676

■ 36.4282, 0.2459,
0.2676

■ 330.8283, 0.2798,
0.2992

■ 24.7651, 0.2374,
0.2596

■ 69.6925, 0.2583,
0.2792

■ 15.9021, 0.2265,
0.2492

■ 92.0624, 0.2629,
0.2835

■ 9.4549, 0.2121,
0.2353

■ 118.7701, 0.2668,
0.2872

■ 5.0391, 0.1922,
0.2159

■ 150.1999, 0.2702,
0.2903

■ 2.2702, 0.1636,
0.1876

■ 186.7362, 0.2731,
0.2930

■ 0.7579, 0.1176,
0.1431

■ 228.7635, 0.2756,

■ 0.0000, 0.0000,

0.2953

0.0000

276.6660, 0.2778,
0.2973

■ 36.4282, 0.2459,
0.2676

■ 36.4282, 0.2459,
0.2676

■ 31.4491, 0.2303,
0.2497

■ 42.0392, 0.2620,
0.2844

■ 27.0692, 0.2158,
0.2309

■ 48.3042, 0.2783,
0.2999

■ 23.2589, 0.2028,
0.2118

■ 55.2492, 0.2943,
0.3141

■ 19.9830, 0.1919,
0.1928

■ 62.8970, 0.3098,
0.3267

■ 17.2009, 0.1833,
0.1744

■ 71.2698, 0.3247,
0.3380

■ 15.2578, 0.1779,
0.1603

■ 80.3881, 0.3387,
0.3480

■ 87.5241, 0.3420,
0.3578

■ 93.6933, 0.3403,
0.3675

■ 97.4322, 0.3394,
0.3731

Harmonies

Analogous

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



36.4282, 0.2373, 0.2884



36.4282, 0.2459, 0.2676



36.4282, 0.2714, 0.2632

Triad

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



36.4282, 0.2459, 0.2676



36.4282, 0.3827, 0.3286



36.4282, 0.3118, 0.3936

Complementary

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



36.4282, 0.2459, 0.2676



42.0006, 0.3966, 0.3827

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.



36.4282, 0.3518, 0.4025



36.4282, 0.2459, 0.2676



36.4282, 0.3944, 0.3616

Square

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



36.4282, 0.2459, 0.2676



36.4282, 0.3508, 0.2974



36.4282, 0.3825, 0.3892



36.4282, 0.2736, 0.3632

Rectangle

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



36.4282, 0.2459, 0.2676



36.4282, 0.2958, 0.2689



36.4282, 0.3825, 0.3892



36.4282, 0.3254, 0.3992

Sweetspot

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



36.4296, 0.2459, 0.2676



84.3479, 0.2924, 0.3124



52.9199, 0.2815, 0.3940



17.5255, 0.2888, 0.3093



0.0000, 0.0000, 0.0000



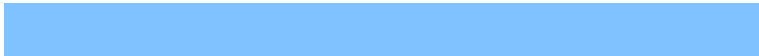
21.4041, 0.3127, 0.3290

Same Dimension

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



36.4296, 0.2459, 0.2676



49.7922, 0.2324, 0.2521



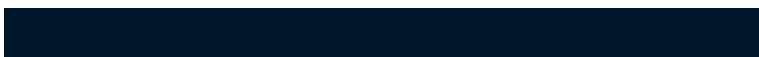
23.0685, 0.2353, 0.2026



12.4035, 0.2982, 0.3174



9.5110, 0.1786, 0.1628



0.6904, 0.1877, 0.1955

Inverse Universe

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



30.4058, 0.3642, 0.2734



40.4065, 0.3800, 0.2625



60.4669, 0.3755, 0.4303



11.9078, 0.3212, 0.3172



9.0314, 0.4896, 0.2471



0.5210, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 36.4282, 0.2459, 0.2676 looks on a white background.

Color Contrast Check

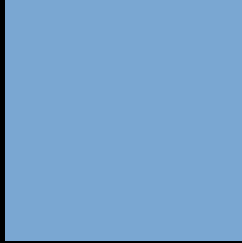
Large Text (above 18pt) WCAG AA × Fail

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 36.4282, 0.2459, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

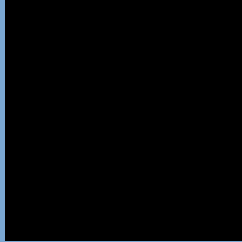
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

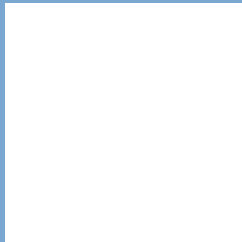
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4282, 0.2459, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 36.4282, 0.2459, 0.2676.



This preview shows how white text looks on a background with the Yxy color 36.4282, 0.2459, 0.2676.

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

36.4282, 0.2459, 0.2676

Protanopia

36.1287, 0.2687, 0.2670

Deuteranopia

36.1290, 0.2637, 0.2572



Tritanopia

36.2734, 0.2576, 0.3075

Trichromacy



Original Color

36.4282, 0.2459, 0.2676

Protanomaly

36.2748, 0.2593, 0.2675

Deuteranomaly

36.1193, 0.2566, 0.2611

Tritanomaly

36.4960, 0.2537, 0.2931

Monochromacy



Original Color

36.4282, 0.2459, 0.2676

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6838, 0.2848, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4282, 0.2459, 0.2676 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(122, 167, 210)` looks like.

```
.text, #text, p{  
    color:rgb(122, 167, 210)  
}
```

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(122, 167, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 167, 210) }
```

Border

The CSS property to change the border of an element to Yxy 36.4282, 0.2459, 0.2676 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(122, 167, 210) }
```

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

```
.border{ border-color:rgb(122, 167, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 167, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 167, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 167, 210);  
box-shadow:4px 4px 4px 4px rgb(122, 167,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4282, 0.2459, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 167, 210) }
```

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

```
.background{ background-color: rgb(122,  
167, 210) }
```

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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