

Converting Colors

$Yxy(34.7218, 0.2251, 0.2571)$

Have a look what the booklet for
Yxy(34.7218, 0.2251, 0.2571)
contains.

Yxy(34.7690, 0.2250, 0.2570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.7690, 0.2250, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	5AA7D8
RGB	90, 167, 216
RGB Percent	35%, 65%, 85%
CMY	0.6466, 0.3452, 0.1529
CMYK	0.58, 0.23, 0.00, 0.15
HSL	203°, 62%, 60%
HSV	203°, 58%, 85%
XYZ	30.4398, 34.7690, 70.0792
YIQ	149.5630, -61.6210, -1.0850

Conversions

Conversions Part 2

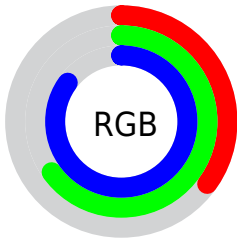
Format	Color
R_{YB}	90, 138, 216
Decimal	5941208
CIE _{Lab}	65.57, -9.50, -32.04
CIE _{LCh}	66, 33.422, 253.486
Yxy	34.7690, 0.2250, 0.2570
Android (android.graphics.Color)	4284131288 (0xFF5AA7D8)
YUV	149.5630, 32.7534, -52.2368
Hunter-Lab	58.9652, -11.0416, -29.1894

Details

The Yxy color **34.7690, 0.2250, 0.2570** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.8515, 0.4509, 0.3872**, and the grayscale version is **30.1965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8521, 0.2495, 0.2904**, and **14.9128, 0.2001, 0.2346** is the 20% darker color. If you saturate the color by 10%, you get **30.8556, 0.2129, 0.2420**, and if you desaturate by 10%, it is **39.2003, 0.2386, 0.2715**.

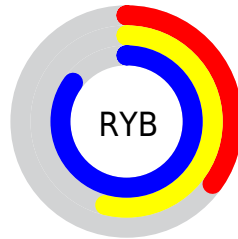
Distribution



Red (35%)

Green (65%)

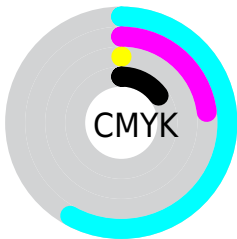
Blue (85%)



Red (35%)

Yellow (54%)

Blue (85%)

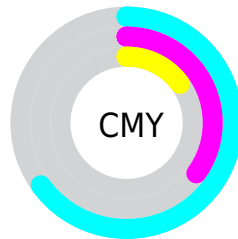


Cyan (58%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (65%)

Magenta (35%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7690, 0.2250, 0.2570 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 34.7690, 0.2250, 0.2570 by changing the saturation by 10% instead.

■ 34.7690, 0.2250,
0.2570

■ 34.7690, 0.2250,
0.2570

■ 323.5475, 0.2692,
0.2944

■ 23.4850, 0.2141,
0.2474

■ 67.1278, 0.2410,
0.2708

■ 14.9520, 0.2003,
0.2350

■ 88.9713, 0.2470,
0.2759

■ 8.7857, 0.1822,
0.2186

■ 115.1035, 0.2521,
0.2803

■ 4.6017, 0.1581,
0.1958

■ 145.9086, 0.2565,
0.2839

■ 2.0155, 0.1248,
0.1631

■ 181.7713, 0.2603,
0.2871

■ 0.6165, 0.0645,
0.1124

■ 223.0757, 0.2636,

■ 0.0000, 0.0000,

0.2898

0.0000

270.2063, 0.2666,
0.2923

■ 34.7690, 0.2250,
0.2570

■ 34.7690, 0.2250,
0.2570

■ 30.8556, 0.2129,
0.2420

■ 39.2003, 0.2386,
0.2715

■ 27.4243, 0.2026,
0.2268

■ 44.1742, 0.2533,
0.2853

■ 24.4396, 0.1945,
0.2118

■ 49.7176, 0.2687,
0.2982

■ 21.8487, 0.1884,
0.1972

■ 55.8546, 0.2844,
0.3101

■ 21.4289, 0.1874,
0.1947

■ 62.6075, 0.3000,
0.3209

69.9970, 0.3153,
0.3306

78.0432, 0.3302,
0.3393

85.2279, 0.3388,
0.3473

90.1405, 0.3375,
0.3554

Harmonies

Analogous

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



34.7690, 0.2203, 0.2872



34.7690, 0.2250, 0.2570



34.7690, 0.2508, 0.2471

Triad

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



34.7690, 0.2250, 0.2570



34.7690, 0.3925, 0.3168



34.7690, 0.3242, 0.4179

Complementary

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



34.7690, 0.2250, 0.2570



33.8515, 0.4509, 0.3872

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.



34.7690, 0.3728, 0.4195



34.7690, 0.2250, 0.2570



34.7690, 0.4149, 0.3574

Square

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



34.7690, 0.2250, 0.2570



34.7690, 0.3469, 0.2809



34.7690, 0.4068, 0.3951



34.7690, 0.2748, 0.3852

Rectangle

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



34.7690, 0.2250, 0.2570



34.7690, 0.2783, 0.2512



34.7690, 0.4068, 0.3951



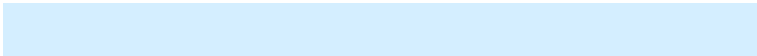
34.7690, 0.3412, 0.4220

Sweetspot

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



34.7703, 0.2250, 0.2570



82.3821, 0.2861, 0.3113



53.1436, 0.2801, 0.4457



17.2256, 0.2829, 0.3090



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.



34.7703, 0.2250, 0.2570



43.6762, 0.2103, 0.2384



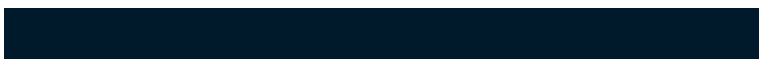
17.2043, 0.2043, 0.1623



13.2580, 0.2982, 0.3197



12.8976, 0.1880, 0.1969



0.9366, 0.1951, 0.2222

Inverse Universe

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



24.7242, 0.3784, 0.2401



30.0211, 0.3994, 0.2277



57.2658, 0.4044, 0.4528



12.5469, 0.3197, 0.3149



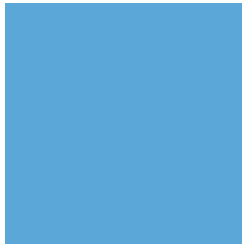
9.6469, 0.4488, 0.2246



0.5979, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 34.7690, 0.2250, 0.2570 looks on a white background.

Color Contrast Check

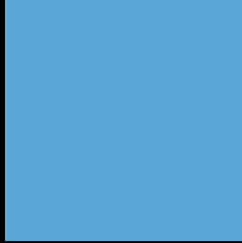
Large Text (above 18pt) WCAG AA × Fail

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 34.7690, 0.2250, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

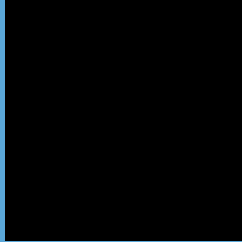
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

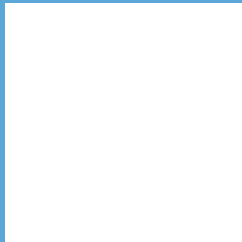
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7690, 0.2250, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 34.7690, 0.2250, 0.2570.

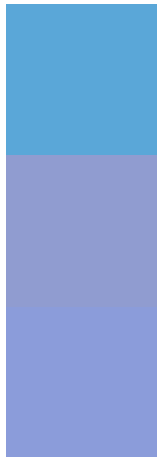


This preview shows how white text looks on a background with the Yxy color 34.7690, 0.2250, 0.2570.

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

34.7690, 0.2250, 0.2570

Protanopia

34.2603, 0.2605, 0.2567

Deuteranopia

34.3279, 0.2503, 0.2441



Tritanopia

34.6699, 0.2364, 0.3064

Trichromacy



Original Color

34.7690, 0.2250, 0.2570

Protanomaly

34.1298, 0.2449, 0.2561

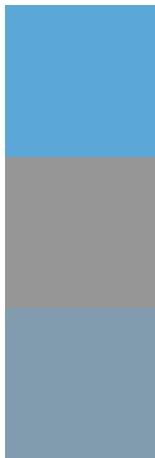
Deuteranomaly

34.2163, 0.2395, 0.2485

Tritanomaly

34.5745, 0.2317, 0.2869

Monochromacy



Original Color

34.7690, 0.2250, 0.2570

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4221, 0.2722, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7690, 0.2250, 0.2570 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(90, 167, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 167, 216)  
}
```

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(90, 167, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 167, 216) }
```

Border

The CSS property to change the border of an element to Yxy 34.7690, 0.2250, 0.2570 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(90, 167, 216) }
```

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

```
.border{ border-color:rgb(90, 167, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 167, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 167, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 167, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 167,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7690, 0.2250, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 167, 216) }
```

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

```
.background{ background-color: rgb(90, 167,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor