

Converting Colors

$Y_{xy}(23.7494, 0.2114, 0.2035)$

Have a look what the booklet for
Yxy(23.7494, 0.2114, 0.2035)
contains.

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Color

Yxy(23.7114, 0.2112, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	5685D8
RGB	86, 133, 216
RGB Percent	34%, 52%, 85%
CMY	0.6627, 0.4784, 0.1529
CMYK	0.60, 0.38, 0.00, 0.15
HSL	218°, 62%, 59%
HSV	218°, 60%, 85%
XYZ	24.6207, 23.7114, 68.2431
YIQ	128.4090, -54.6550, 15.8490

Conversions

Conversions Part 2

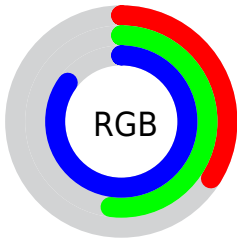
Format	Color
R _Y B	86, 121, 216
Decimal	5670360
CIE Lab	55.80, 9.26, -47.37
CIE LCh	56, 48.265, 281.059
Yxy	23.7114, 0.2112, 0.2034
Android (android.graphics.Color)	4283860440 (0xFF5685D8)
YUV	128.4090, 43.1824, -37.1927
Hunter-Lab	48.6944, 5.0375, -49.0065

Details

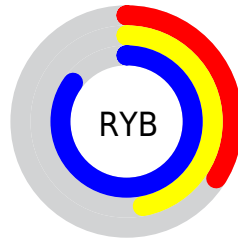
The Yxy color **23.7114, 0.2112, 0.2034** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **43.6541, 0.4301, 0.4249**, and the grayscale version is **21.5992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3576, 0.2399, 0.2454**, and **8.9139, 0.1797, 0.1668** is the 20% darker color. If you saturate the color by 10%, you get **19.3049, 0.1958, 0.1787**, and if you desaturate by 10%, it is **28.9252, 0.2280, 0.2280**.

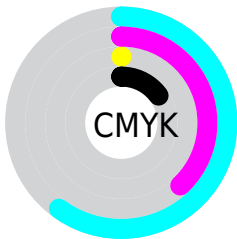
Distribution



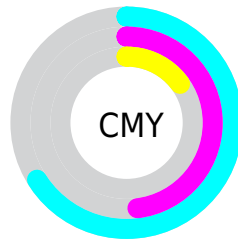
- Red (34%)
- Green (52%)
- Blue (85%)



- Red (34%)
- Yellow (47%)
- Blue (85%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)



- Cyan (66%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7114, 0.2112, 0.2034 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 23.7114, 0.2112, 0.2034 by changing the saturation by 10% instead.

■ 23.7114, 0.2112,
0.2034

■ 23.7114, 0.2112,
0.2034

271.3582, 0.2650,
0.2680

■ 15.1197, 0.1974,
0.1874

■ 49.5588, 0.2312,
0.2269

■ 8.9034, 0.1796,
0.1673

■ 67.5833, 0.2386,
0.2358

■ 4.6782, 0.1564,
0.1416

■ 89.5209, 0.2448,
0.2432

■ 2.0597, 0.1256,
0.1086

■ 115.7559, 0.2500,
0.2496

■ 0.6418, 0.0851,
0.0653

146.6727, 0.2546,
0.2552

■ 0.0000, 0.0000,
0.0000

182.6558, 0.2585,

0.2600

224.0894, 0.2619,
0.2642

■ 23.7114, 0.2112,
0.2034

■ 23.7114, 0.2112,
0.2034

■ 19.3049, 0.1958,
0.1787

■ 28.9252, 0.2280,
0.2280

■ 15.6552, 0.1827,
0.1548

■ 34.9873, 0.2456,
0.2516

■ 12.7085, 0.1723,
0.1327

■ 41.9384, 0.2633,
0.2737

■ 10.4165, 0.1649,
0.1136

■ 49.8156, 0.2805,
0.2941

■ 58.6539, 0.2970,
0.3124

68.4860, 0.3125,
0.3287

79.3434, 0.3268,
0.3432

90.5241, 0.3374,
0.3561

97.7378, 0.3358,
0.3671

Harmonies

Analogous

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



23.7114, 0.1766, 0.2171



23.7114, 0.2112, 0.2034



23.7114, 0.2749, 0.2159

Triad

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



23.7114, 0.2112, 0.2034



23.7114, 0.4781, 0.3604



23.7114, 0.2544, 0.4321

Complementary

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



23.7114, 0.2112, 0.2034



43.6541, 0.4301, 0.4249

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.



23.7114, 0.3319, 0.4830



23.7114, 0.2112, 0.2034



23.7114, 0.4639, 0.4209

Square

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



23.7114, 0.2112, 0.2034



23.7114, 0.4390, 0.3013



23.7114, 0.4085, 0.4708



23.7114, 0.1971, 0.3414

Rectangle

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



23.7114, 0.2112, 0.2034



23.7114, 0.3303, 0.2367



23.7114, 0.4085, 0.4708



23.7114, 0.2790, 0.4559

Sweetspot

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



23.7122, 0.2112, 0.2034



75.0142, 0.2839, 0.2979



53.9301, 0.2626, 0.3990



15.2867, 0.2789, 0.2922



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.



23.7122, 0.2112, 0.2034



26.6829, 0.1923, 0.1726



14.5211, 0.2083, 0.1416



12.7361, 0.2982, 0.3137



6.3529, 0.1657, 0.1164



0.5378, 0.1754, 0.1515

Inverse Universe

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



22.9510, 0.4294, 0.2747



27.6456, 0.4692, 0.2697



61.8798, 0.3832, 0.4770



12.4943, 0.3235, 0.3206



8.9862, 0.5518, 0.2814



0.5576, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 23.7114, 0.2112, 0.2034 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7114, 0.2112, 0.2034 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 × Fail

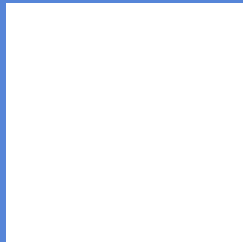
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7114, 0.2112, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 23.7114, 0.2112, 0.2034.

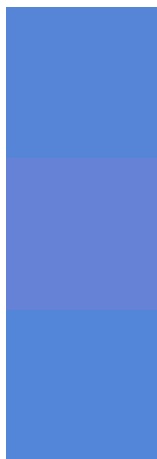


This preview shows how white text looks on a background with the Yxy color 23.7114, 0.2112, 0.2034.

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

23.7114, 0.2112, 0.2034

Protanopia

23.5870, 0.2199, 0.2035

Deuteranopia

23.8471, 0.2100, 0.2045



Tritanopia

23.6149, 0.2335, 0.3061

Trichromacy



Original Color

23.7114, 0.2112, 0.2034

Protanomaly

23.6257, 0.2166, 0.2031

Deuteranomaly

23.8929, 0.2105, 0.2046

Tritanomaly

23.5293, 0.2245, 0.2639

Monochromacy



Original Color

23.7114, 0.2112, 0.2034

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0140, 0.2657, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7114, 0.2112, 0.2034 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(86, 133, 216)` looks like.

```
.text, #text, p{  
    color:rgb(86, 133, 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(86, 133, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 133, 216) }
```

Border

The CSS property to change the border of an element to Yxy 23.7114, 0.2112, 0.2034 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(86, 133, 216) }
```

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

```
.border{ border-color:rgb(86, 133, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 133, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 133, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 133, 216);  
box-shadow:4px 4px 4px 4px rgb(86, 133,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7114, 0.2112, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 133, 216) }
```

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

```
.background{ background-color: rgb(86, 133,  
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](#).

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