

Converting Colors

$Y_{xy}(32.2213, 0.2144, 0.2223)$

Have a look what the booklet for
Yxy(32.2213, 0.2144, 0.2223)
contains.

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Color

Yxy(32.2213, 0.2144, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	5B9DE9
RGB	91, 157, 233
RGB Percent	36%, 62%, 91%
CMY	0.6431, 0.3843, 0.0864
CMYK	0.61, 0.33, 0.00, 0.09
HSL	212°, 76%, 64%
HSV	212°, 61%, 91%
XYZ	31.0762, 32.2213, 81.6476
YIQ	145.9300, -63.7320, 9.6440

Conversions

Conversions Part 2

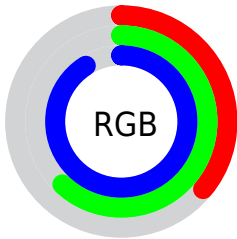
Format	Color
R_{YB}	91, 136, 233
Decimal	6004201
CIE Lab	63.53, 1.67, -44.59
CIE LCh	64, 44.620, 272.150
Yxy	32.2213, 0.2144, 0.2223
Android (android.graphics.Color)	4284194281 (0xFF5B9DE9)
YUV	145.9300, 42.9255, -48.1736
Hunter-Lab	56.7638, -1.6141, -45.5465

Details

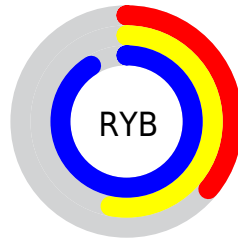
The Yxy color **32.2213, 0.2144, 0.2223** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **45.7033, 0.4436, 0.4113**, and the grayscale version is **28.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3878, 0.2483, 0.2771**, and **13.4824, 0.1868, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **27.2106, 0.2006, 0.2012**, and if you desaturate by 10%, it is **38.0320, 0.2298, 0.2430**.

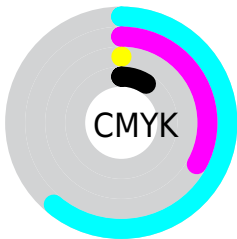
Distribution



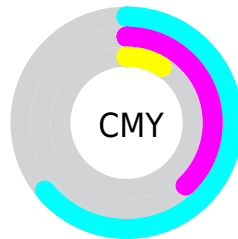
- Red (36%)
- Green (62%)
- Blue (91%)



- Red (36%)
- Yellow (53%)
- Blue (91%)



- Cyan (61%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)



- Cyan (64%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2213, 0.2144, 0.2223 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 32.2213, 0.2144, 0.2223 by changing the saturation by 10% instead.

■ 32.2213, 0.2144,
0.2223

■ 32.2213, 0.2144,
0.2223

■ 312.1261, 0.2641,
0.2759

■ 21.5306, 0.2023,
0.2093

■ 63.1579, 0.2323,
0.2416

■ 13.5124, 0.1870,
0.1929

■ 84.1725, 0.2391,
0.2489

■ 7.7823, 0.1674,
0.1720

■ 109.3972, 0.2449,
0.2551

■ 3.9560, 0.1417,
0.1448

■ 139.2164, 0.2498,
0.2605

■ 1.6490, 0.1077,
0.1090

■ 174.0145, 0.2541,
0.2651

■ 0.3903, 0.0562,
0.0533

■ 214.1759, 0.2578,

■ 0.0000, 0.0000,

0.2692

0.0000

260.0850, 0.2611,
0.2728

■ 32.2213, 0.2144,
0.2223

■ 32.2213, 0.2144,
0.2223

■ 27.2106, 0.2006,
0.2012

■ 38.0320, 0.2298,
0.2430

■ 22.9486, 0.1888,
0.1804

■ 44.6826, 0.2461,
0.2628

■ 19.3806, 0.1796,
0.1605

■ 52.2134, 0.2628,
0.2814

■ 16.6701, 0.1733,
0.1437

■ 60.6610, 0.2795,
0.2985

■ 70.0594, 0.2957,
0.3139

■ 80.4408, 0.3113,
0.3278

■ 91.8357, 0.3260,
0.3401

■ 98.6614, 0.3256,
0.3503

Harmonies

Analogous

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



32.2213, 0.1915, 0.2432



32.2213, 0.2144, 0.2223



32.2213, 0.2628, 0.2262

Triad

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



32.2213, 0.2144, 0.2223



32.2213, 0.4460, 0.3429



32.2213, 0.2836, 0.4306

Complementary

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



32.2213, 0.2144, 0.2223



45.7033, 0.4436, 0.4113

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.



32.2213, 0.3515, 0.4586



32.2213, 0.2144, 0.2223



32.2213, 0.4488, 0.3956

Square

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



32.2213, 0.2144, 0.2223



32.2213, 0.4010, 0.2923



32.2213, 0.4124, 0.4403



32.2213, 0.2271, 0.3630

Rectangle

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



32.2213, 0.2144, 0.2223



32.2213, 0.3068, 0.2407



32.2213, 0.4124, 0.4403



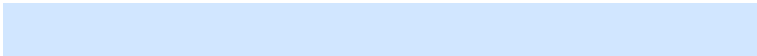
32.2213, 0.3058, 0.4455

Sweetspot

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



32.2224, 0.2144, 0.2223



77.6275, 0.2841, 0.3030



63.2645, 0.2690, 0.4213



15.9202, 0.2793, 0.2983



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.



32.2224, 0.2144, 0.2223



32.0513, 0.1975, 0.1961



15.8395, 0.1970, 0.1343



15.7032, 0.2980, 0.3161



9.7047, 0.1740, 0.1465



0.9529, 0.1813, 0.1726

Inverse Universe

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



27.2378, 0.4115, 0.2581



27.8774, 0.4436, 0.2508



75.5480, 0.3948, 0.4728



15.1706, 0.3220, 0.3181



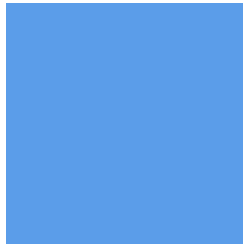
10.4725, 0.5105, 0.2586



0.8416, 0.4774, 0.2404

Previews

White Background



This preview shows how the Yxy color 32.2213, 0.2144, 0.2223 looks on a white background.

Color Contrast Check

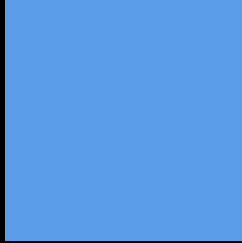
Large Text (above 18pt) WCAG AA × Fail

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 32.2213, 0.2144, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

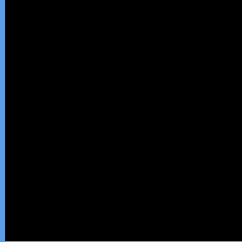
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

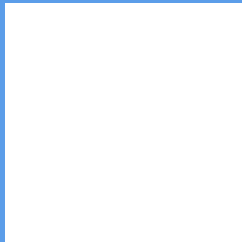
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2213, 0.2144, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 32.2213, 0.2144, 0.2223.



This preview shows how white text looks on a background with the Yxy color 32.2213, 0.2144, 0.2223.

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

32.2213, 0.2144, 0.2223

Protanopia

31.8708, 0.2353, 0.2237

Deuteranopia

32.2337, 0.2239, 0.2184



Tritanopia

32.1669, 0.2325, 0.3055

Trichromacy



Original Color

32.2213, 0.2144, 0.2223

Protanomaly

32.0170, 0.2269, 0.2238

Deuteranomaly

32.0550, 0.2198, 0.2186

Tritanomaly

31.9010, 0.2250, 0.2708

Monochromacy



Original Color

32.2213, 0.2144, 0.2223

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4627, 0.2665, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2213, 0.2144, 0.2223 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(91, 157, 233)` looks like.

```
.text, #text, p{  
    color:rgb(91, 157, 233)  
}
```

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(91, 157, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 157, 233) }
```

Border

The CSS property to change the border of an element to Yxy 32.2213, 0.2144, 0.2223 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(91, 157, 233) }
```

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

```
.border{ border-color:rgb(91, 157, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 157, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 157, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 157, 233);  
box-shadow:4px 4px 4px 4px rgb(91, 157,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2213, 0.2144, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 157, 233) }
```

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

```
.background{ background-color: rgb(91, 157,  
233) }
```

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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