

Converting Colors

$Y_{xy}(31.8774, 0.2219, 0.2373)$

Have a look what the booklet for
Yxy(31.8774, 0.2219, 0.2373)
contains.

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Color

Yxy(31.7673, 0.2217, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	5F9DDD
RGB	95, 157, 221
RGB Percent	37%, 62%, 87%
CMY	0.6272, 0.3843, 0.1334
CMYK	0.57, 0.29, 0.00, 0.13
HSL	210°, 65%, 62%
HSV	210°, 57%, 87%
XYZ	29.8298, 31.7673, 72.9531
YIQ	145.7580, -57.4960, 6.7600

Conversions

Conversions Part 2

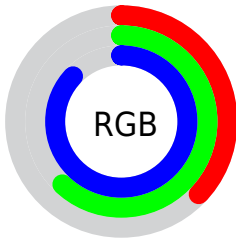
Format	Color
RYB	95, 137, 221
Decimal	6266333
CIELab	63.15, -1.38, -38.54
CIELCh	63, 38.567, 267.954
Yxy	31.7673, 0.2217, 0.2361
Android (android.graphics.Color)	4284456413 (0xFF5F9DDD)
YUV	145.7580, 37.0943, -44.5148
Hunter-Lab	56.3625, -4.1634, -37.2886

Details

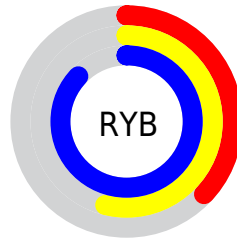
The Yxy color **31.7673, 0.2217, 0.2361** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **41.0097, 0.4354, 0.4032**, and the grayscale version is **28.5095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5808, 0.2494, 0.2773**, and **13.2679, 0.1953, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **27.1206, 0.2076, 0.2162**, and if you desaturate by 10%, it is **37.1011, 0.2371, 0.2554**.

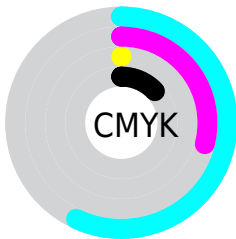
Distribution



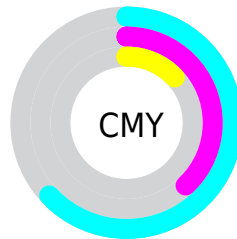
- Red (37%)
- Green (62%)
- Blue (87%)



- Red (37%)
- Yellow (54%)
- Blue (87%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7673, 0.2217, 0.2361 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 31.7673, 0.2217, 0.2361 by changing the saturation by 10% instead.

■ 31.7673, 0.2217,
0.2361

■ 31.7673, 0.2217,
0.2361

■ 310.0579, 0.2681,
0.2837

■ 21.1838, 0.2102,
0.2242

■ 62.4461, 0.2386,
0.2535

■ 13.2584, 0.1955,
0.2090

■ 83.3102, 0.2449,
0.2600

■ 7.6067, 0.1764,
0.1892

■ 108.3700, 0.2503,
0.2655

■ 3.8444, 0.1508,
0.1626

■ 138.0099, 0.2549,
0.2702

■ 1.5869, 0.1160,
0.1262

■ 172.6142, 0.2589,
0.2742

■ 0.3487, 0.0529,
0.0619

■ 212.5674, 0.2623,

■ 0.0000, 0.0000,

0.2778

0.0000

258.2538, 0.2654,
0.2809

■ 31.7673, 0.2217,
0.2361

■ 31.7673, 0.2217,
0.2361

■ 27.1206, 0.2076,
0.2162

■ 37.1011, 0.2371,
0.2554

■ 23.1191, 0.1954,
0.1963

■ 43.1535, 0.2533,
0.2736

■ 19.7200, 0.1854,
0.1769


■ 49.9576, 0.2698,
0.2906

■ 16.8684, 0.1779,
0.1585


■ 57.5430, 0.2861,
0.3061


■ 16.0909, 0.1759,
0.1531

■ 65.9376, 0.3020,
0.3201

 75.1677, 0.3172,
0.3326

 85.2585, 0.3317,
0.3437

 92.8970, 0.3338,
0.3544

 97.9995, 0.3328,
0.3621

Harmonies

Analogous

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



31.7673, 0.2044, 0.2589



31.7673, 0.2217, 0.2361



31.7673, 0.2621, 0.2362

Triad

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



31.7673, 0.2217, 0.2361



31.7673, 0.4250, 0.3361



31.7673, 0.2963, 0.4217

Complementary

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



31.7673, 0.2217, 0.2361



41.0097, 0.4354, 0.4032

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.



31.7673, 0.3560, 0.4411



31.7673, 0.2217, 0.2361



31.7673, 0.4336, 0.3830

Square

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



31.7673, 0.2217, 0.2361



31.7673, 0.3818, 0.2913



31.7673, 0.4069, 0.4230



31.7673, 0.2439, 0.3677

Rectangle

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



31.7673, 0.2217, 0.2361



31.7673, 0.2995, 0.2474



31.7673, 0.4069, 0.4230



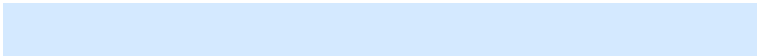
31.7673, 0.3162, 0.4327

Sweetspot

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



31.7684, 0.2217, 0.2361



79.4269, 0.2859, 0.3059



56.6092, 0.2728, 0.4202



16.5275, 0.2826, 0.3028



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.



31.7684, 0.2217, 0.2361



36.5920, 0.2056, 0.2131



15.8514, 0.2025, 0.1467



13.6695, 0.2982, 0.3168



9.5749, 0.1766, 0.1558



0.7926, 0.1849, 0.1857

Inverse Universe

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



25.9992, 0.3968, 0.2579



30.0203, 0.4237, 0.2485



67.9003, 0.3940, 0.4634



13.1578, 0.3215, 0.3176



9.5904, 0.4984, 0.2519



0.6387, 0.4618, 0.2317

Previews

White Background



This preview shows how the Yxy color 31.7673, 0.2217, 0.2361 looks on a white background.

Color Contrast Check

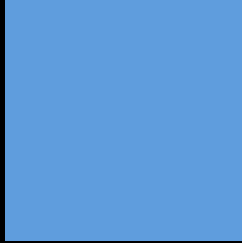
Large Text (above 18pt) WCAG AA × Fail

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 31.7673, 0.2217, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

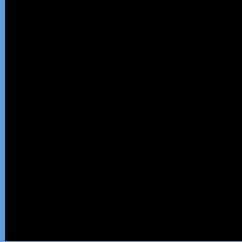
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

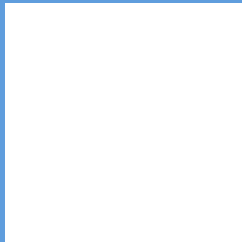
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7673, 0.2217, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 31.7673, 0.2217, 0.2361.

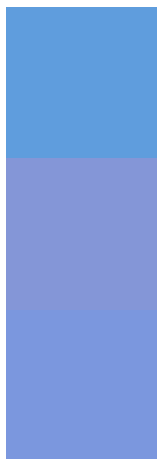


This preview shows how white text looks on a background with the Yxy color 31.7673, 0.2217, 0.2361.

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

31.7673, 0.2217, 0.2361

Protanopia

31.6245, 0.2458, 0.2378

Deuteranopia

31.6181, 0.2357, 0.2299



Tritanopia

31.7443, 0.2384, 0.3072

Trichromacy



Original Color

31.7673, 0.2217, 0.2361

Protanomaly

31.7142, 0.2364, 0.2378

Deuteranomaly

31.5671, 0.2299, 0.2313

Tritanomaly

31.6205, 0.2315, 0.2781

Monochromacy



Original Color

31.7673, 0.2217, 0.2361

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3418, 0.2712, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7673, 0.2217, 0.2361 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(95, 157, 221)` looks like.

```
.text, #text, p{  
  color:rgb(95, 157, 221)  
}
```

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(95, 157, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 157, 221) }
```

Border

The CSS property to change the border of an element to Yxy 31.7673, 0.2217, 0.2361 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(95, 157, 221) }
```

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

```
.border{ border-color:rgb(95, 157, 221) }
```

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

Here you see how a box with a 4 pixel rgb(95, 157, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 157, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 157, 221);  
box-shadow:4px 4px 4px 4px rgb(95, 157,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7673, 0.2217, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 157, 221) }
```

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

```
.background{ background-color: rgb(95, 157,  
221) }
```

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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