

Converting Colors

$Y_{xy}(22.1279, 0.2269, 0.2082)$

Have a look what the booklet for
Yxy(22.1279, 0.2269, 0.2082)
contains.

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Color

Yxy(22.0301, 0.2265, 0.2074)

Conversions

Conversions Part 1

Format	Color
Hex	697DCC
RGB	105, 125, 204
RGB Percent	41%, 49%, 80%
CMY	0.5883, 0.5098, 0.1999
CMYK	0.49, 0.39, 0.00, 0.20
HSL	228°, 49%, 61%
HSV	228°, 49%, 80%
XYZ	24.0589, 22.0301, 60.1313
YIQ	128.0260, -37.2790, 20.3290

Conversions

Conversions Part 2

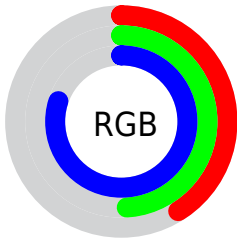
Format	Color
R _Y B	105, 122, 204
Decimal	6913484
CIE Lab	54.06, 14.31, -43.30
CIE LCh	54, 45.600, 288.289
Yxy	22.0301, 0.2265, 0.2074
Android (android.graphics.Color)	4285103564 (0xFF697DCC)
YUV	128.0260, 37.4552, -20.1938
Hunter-Lab	46.9362, 9.3584, -43.1027

Details

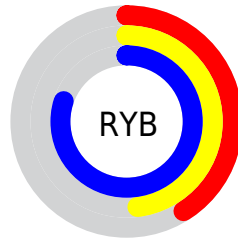
The Yxy color **22.0301, 0.2265, 0.2074** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **48.1446, 0.3945, 0.4259**, and the grayscale version is **21.4723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2413, 0.2477, 0.2363**, and **8.0820, 0.1975, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **17.1511, 0.2076, 0.1775**, and if you desaturate by 10%, it is **27.8824, 0.2459, 0.2366**.

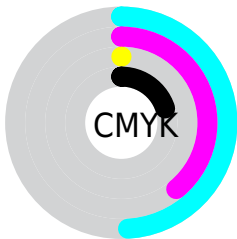
Distribution



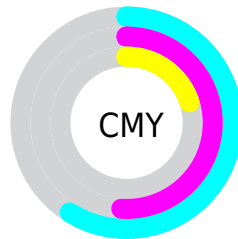
- Red (41%)
- Green (49%)
- Blue (80%)



- Red (41%)
- Yellow (48%)
- Blue (80%)



- Cyan (49%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0301, 0.2265, 0.2074 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 22.0301, 0.2265, 0.2074 by changing the saturation by 10% instead.

■ 22.0301, 0.2265,
0.2074

■ 22.0301, 0.2265,
0.2074

262.7034, 0.2734,
0.2705

■ 13.8790, 0.2139,
0.1915

■ 46.7957, 0.2443,
0.2306

■ 8.0366, 0.1973,
0.1713

■ 64.1791, 0.2508,
0.2392

■ 4.1184, 0.1750,
0.1450

■ 85.4086, 0.2562,
0.2465

■ 1.7400, 0.1441,
0.1107

■ 110.8688, 0.2607,
0.2528

■ 0.4493, 0.1014,
0.0587

140.9440, 0.2646,
0.2581

■ 0.0000, 0.0000,
0.0000

176.0185, 0.2679,

0.2628

216.4769, 0.2709,
0.2669

■ 22.0301, 0.2265,
0.2074

■ 22.0301, 0.2265,
0.2074

■ 17.1511, 0.2076,
0.1775

■ 27.8824, 0.2459,
0.2366

■ 13.1887, 0.1901,
0.1484

■ 34.7557, 0.2649,
0.2640

■ 10.0836, 0.1752,
0.1216

■ 42.6974, 0.2829,
0.2892

■ 7.7679, 0.1638,
0.0988

■ 51.7509, 0.2996,
0.3118

■ 6.1529, 0.1562,
0.0813

■ 61.9576, 0.3148,
0.3317

■ 5.9646, 0.1553,
0.0792

■ 73.3563, 0.3286,
0.3493

■ 85.9842, 0.3408,
0.3645

■ 97.1412, 0.3430,
0.3790

Harmonies

Analogous

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



22.0301, 0.1856, 0.2144



22.0301, 0.2265, 0.2074



22.0301, 0.2948, 0.2251

Triad

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



22.0301, 0.2265, 0.2074



22.0301, 0.4744, 0.3745



22.0301, 0.2405, 0.4089

Complementary

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



22.0301, 0.2265, 0.2074



48.1446, 0.3945, 0.4259

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.



22.0301, 0.3130, 0.4715



22.0301, 0.2265, 0.2074



22.0301, 0.4498, 0.4323

Square

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



22.0301, 0.2265, 0.2074



22.0301, 0.4487, 0.3158



22.0301, 0.3896, 0.4741



22.0301, 0.1914, 0.3204

Rectangle

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



22.0301, 0.2265, 0.2074



22.0301, 0.3505, 0.2487



22.0301, 0.3896, 0.4741



22.0301, 0.2629, 0.4353

Sweetspot

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



22.0309, 0.2265, 0.2074



75.5050, 0.2887, 0.2970



49.6043, 0.2608, 0.3600



15.4993, 0.2850, 0.2921



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.



22.0309, 0.2265, 0.2074



28.2441, 0.2072, 0.1769



19.4491, 0.2450, 0.1859



11.2053, 0.2982, 0.3099



3.8604, 0.1559, 0.0811



0.3094, 0.1659, 0.1173

Inverse Universe

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



24.4208, 0.4185, 0.3036



33.6025, 0.4552, 0.2998



53.4471, 0.3595, 0.4570



11.2501, 0.3259, 0.3243



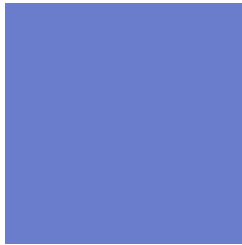
8.1927, 0.6052, 0.3107



0.4338, 0.5505, 0.2806

Previews

White Background



This preview shows how the Yxy color 22.0301, 0.2265, 0.2074 looks on a white background.

Color Contrast Check

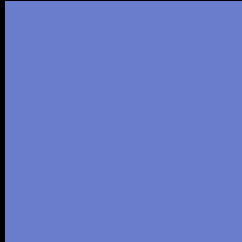
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0301, 0.2265, 0.2074 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 22.0301, 0.2265, 0.2074

Background



This preview shows how black text looks on a background with the Yxy color 22.0301, 0.2265, 0.2074.

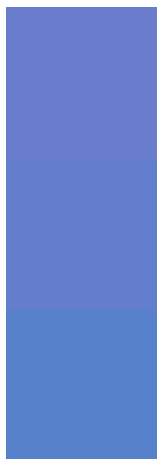


This preview shows how white text looks on a background with the Yxy color 22.0301, 0.2265, 0.2074.

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

22.0301, 0.2265, 0.2074

Protanopia

21.9821, 0.2221, 0.2067

Deuteranopia

22.0870, 0.2172, 0.2117



Tritanopia

22.1041, 0.2553, 0.3081

Trichromacy



Original Color

22.0301, 0.2265, 0.2074

Protanomaly

22.0962, 0.2235, 0.2071

Deuteranomaly

22.1298, 0.2206, 0.2112

Tritanomaly

21.9819, 0.2439, 0.2671

Monochromacy



Original Color

22.0301, 0.2265, 0.2074

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.5721, 0.2757, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0301, 0.2265, 0.2074 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(105, 125, 204)` looks like.

```
.text, #text, p{  
    color:rgb(105, 125, 204)  
}
```

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(105, 125, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 125, 204) }
```

Border

The CSS property to change the border of an element to Yxy 22.0301, 0.2265, 0.2074 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(105, 125, 204) }
```

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

```
.border{ border-color:rgb(105, 125, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 125, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 125, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 125, 204);  
box-shadow:4px 4px 4px 4px rgb(105, 125,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0301, 0.2265, 0.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 125, 204) }
```

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

```
.background{ background-color: rgb(105,  
125, 204) }
```

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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