

Converting Colors

$Y_{xy}(32.2735, 0.2242, 0.2302)$

Have a look what the booklet for
Yxy(32.2735, 0.2242, 0.2302)
contains.

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Color

Yxy(32.2712, 0.2242, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	699CE2
RGB	105, 156, 226
RGB Percent	41%, 61%, 89%
CMY	0.5882, 0.3882, 0.1137
CMYK	0.54, 0.31, 0.00, 0.11
HSL	215°, 68%, 65%
HSV	215°, 54%, 89%
XYZ	31.4437, 32.2712, 76.5337
YIQ	148.7310, -52.8660, 10.9580

Conversions

Conversions Part 2

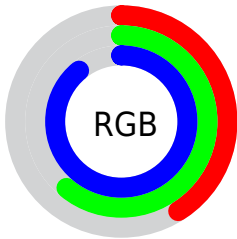
Format	Color
R _Y B	105, 141, 226
Decimal	6921442
CIE Lab	63.57, 2.85, -40.64
CIE LCh	64, 40.742, 274.011
Yxy	32.2712, 0.2242, 0.2301
Android (android.graphics.Color)	4285111522 (0xFF699CE2)
YUV	148.7310, 38.0936, -38.3521
Hunter-Lab	56.8077, -0.6118, -40.1124

Details

The Yxy color **32.2712, 0.2242, 0.2301** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.8622, 0.4205, 0.4086**, and the grayscale version is **29.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0997, 0.2546, 0.2768**, and **13.4977, 0.1988, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **26.9253, 0.2086, 0.2076**, and if you desaturate by 10%, it is **38.4556, 0.2409, 0.2519**.

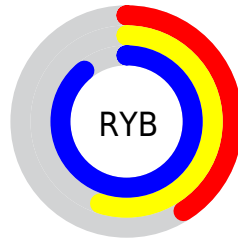
Distribution



Red (41%)

Green (61%)

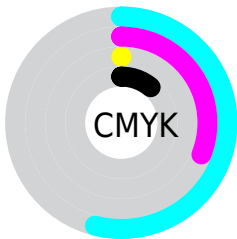
Blue (89%)



Red (41%)

Yellow (55%)

Blue (89%)

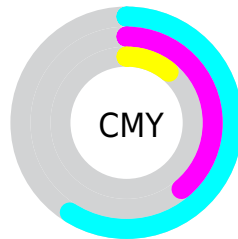


Cyan (54%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (59%)

Magenta (39%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2712, 0.2242, 0.2301 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 32.2712, 0.2242, 0.2301 by changing the saturation by 10% instead.

■ 32.2712, 0.2242,
0.2301

■ 32.2712, 0.2242,
0.2301

■ 312.3528, 0.2693,
0.2801

■ 21.5687, 0.2130,
0.2178

■ 63.2360, 0.2406,
0.2482

■ 13.5404, 0.1988,
0.2023

■ 84.2671, 0.2468,
0.2550

■ 7.8017, 0.1802,
0.1822

■ 109.5099, 0.2520,
0.2608

■ 3.9683, 0.1555,
0.1557

■ 139.3488, 0.2565,
0.2658

■ 1.6559, 0.1218,
0.1199

■ 174.1681, 0.2603,
0.2701

■ 0.3948, 0.0691,
0.0613

■ 214.3523, 0.2637,

■ 0.0000, 0.0000,

0.2738

0.0000

260.2857, 0.2667,
0.2771

■ 32.2712, 0.2242,
0.2301

■ 32.2712, 0.2242,
0.2301

■ 26.9253, 0.2086,
0.2076

■ 38.4556, 0.2409,
0.2519

■ 22.3701, 0.1946,
0.1849

■ 45.5156, 0.2580,
0.2724

■ 18.5569, 0.1830,
0.1630


■ 53.4897, 0.2750,
0.2913


■ 15.4279, 0.1741,
0.1426

■ 62.4130, 0.2915,
0.3085

■ 13.7189, 0.1696,
0.1304

■ 72.3185, 0.3073,
0.3240

 83.2375, 0.3222,
0.3377

 93.6068, 0.3306,
0.3501

 98.2718, 0.3297,
0.3572

Harmonies

Analogous

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



32.2712, 0.2012, 0.2485



32.2712, 0.2242, 0.2301



32.2712, 0.2706, 0.2347

Triad

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



32.2712, 0.2242, 0.2301



32.2712, 0.4357, 0.3459



32.2712, 0.2829, 0.4177

Complementary

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



32.2712, 0.2242, 0.2301



47.8622, 0.4205, 0.4086

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.



32.2712, 0.3453, 0.4465



32.2712, 0.2242, 0.2301



32.2712, 0.4365, 0.3944

Square

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



32.2712, 0.2242, 0.2301



32.2712, 0.3967, 0.2983



32.2712, 0.4019, 0.4336



32.2712, 0.2318, 0.3560

Rectangle

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



32.2712, 0.2242, 0.2301



32.2712, 0.3117, 0.2490



32.2712, 0.4019, 0.4336



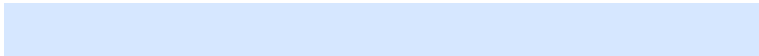
32.2712, 0.3033, 0.4321

Sweetspot

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



32.2723, 0.2242, 0.2301



78.9177, 0.2873, 0.3043



60.4447, 0.2701, 0.4018



16.3635, 0.2839, 0.3008



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.



32.2723, 0.2242, 0.2301



34.8239, 0.2073, 0.2056



19.1132, 0.2151, 0.1606



14.1878, 0.2981, 0.3151



8.0489, 0.1704, 0.1333



0.7322, 0.1788, 0.1636

Inverse Universe

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



28.6770, 0.4008, 0.2709



31.4377, 0.4296, 0.2625



70.3187, 0.3838, 0.4601



13.7959, 0.3226, 0.3192



9.7206, 0.5282, 0.2683



0.6914, 0.4886, 0.2465

Previews

White Background



This preview shows how the Yxy color 32.2712, 0.2242, 0.2301 looks on a white background.

Color Contrast Check

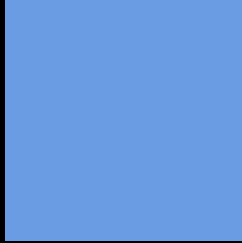
Large Text (above 18pt) WCAG AA × Fail

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 32.2712, 0.2242, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

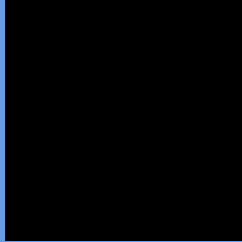
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

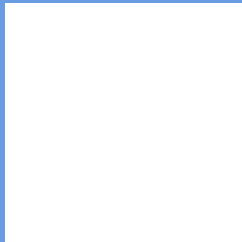
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2712, 0.2242, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 32.2712, 0.2242, 0.2301.



This preview shows how white text looks on a background with the Yxy color 32.2712, 0.2242, 0.2301.

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

32.2712, 0.2242, 0.2301

Protanopia

32.1530, 0.2404, 0.2310

Deuteranopia

32.0675, 0.2320, 0.2256



Tritanopia

32.2396, 0.2431, 0.3059

Trichromacy



Original Color

32.2712, 0.2242, 0.2301

Protanomaly

32.1751, 0.2344, 0.2314

Deuteranomaly

31.9734, 0.2286, 0.2261

Tritanomaly

32.2059, 0.2357, 0.2760

Monochromacy



Original Color

32.2712, 0.2242, 0.2301

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6173, 0.2735, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2712, 0.2242, 0.2301 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, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(105, 156, 226)  
}
```

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, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 156, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.2712, 0.2242, 0.2301 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, 156, 226) }
```

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

```
.border{ border-color:rgb(105, 156, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 156, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 156, 226); box-shadow:4px 4px 4px 4px rgb(105, 156, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2712, 0.2242, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 156, 226) }
```

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

```
.background{ background-color: rgb(105,  
156, 226) }
```

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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