

Converting Colors

$Y_{xy}(27.2796, 0.1993, 0.2223)$

Have a look what the booklet for
Yxy(27.2796, 0.1993, 0.2223)
contains.

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Color

Yxy(27.3392, 0.1994, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	2696DB
RGB	38, 150, 219
RGB Percent	15%, 59%, 86%
CMY	0.8509, 0.4117, 0.1413
CMYK	0.83, 0.31, 0.00, 0.14
HSL	203°, 72%, 50%
HSV	203°, 83%, 86%
XYZ	24.4898, 27.3392, 70.9886
YIQ	124.3780, -88.9010, -2.2850

Conversions

Conversions Part 2

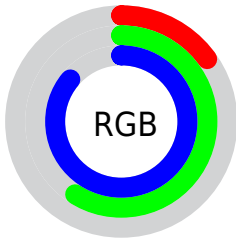
Format	Color
R _Y B	38, 107, 219
Decimal	2528987
CIE Lab	59.29, -6.35, -43.62
CIE LCh	59, 44.077, 261.720
Yxy	27.3392, 0.1994, 0.2226
Android (android.graphics.Color)	4280719067 (0xFF2696DB)
YUV	124.3780, 46.6486, -75.7535
Hunter-Lab	52.2869, -7.8973, -43.8957

Details

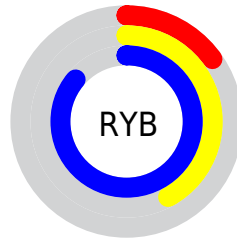
The Yxy color **27.3392, 0.1994, 0.2226** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **25.7133, 0.5316, 0.3926**, and the grayscale version is **20.1555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9831, 0.2293, 0.2657**, and **11.7947, 0.1881, 0.1970** is the 20% darker color. If you saturate the color by 10%, you get **24.4689, 0.1923, 0.2080**, and if you desaturate by 10%, it is **30.6456, 0.2086, 0.2374**.

Distribution



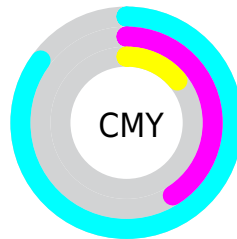
- Red (15%)
- Green (59%)
- Blue (86%)



- Red (15%)
- Yellow (42%)
- Blue (86%)



- Cyan (83%)
- Magenta (31%)
- Yellow (0%)
- Black (14%)



- Cyan (85%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3392, 0.1994, 0.2226 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 27.3392, 0.1994, 0.2226 by changing the saturation by 10% instead.

■ 27.3392, 0.1994,
0.2226

■ 27.3392, 0.1994,
0.2226

289.2957, 0.2574,
0.2782

■ 17.8281, 0.1851,
0.2085

■ 55.4277, 0.2205,
0.2431

■ 10.8267, 0.1670,
0.1905

■ 74.7739, 0.2284,
0.2507

■ 5.9504, 0.1439,
0.1671

■ 98.1673, 0.2352,
0.2571

■ 2.8149, 0.1138,
0.1361

■ 125.9923, 0.2409,
0.2626

■ 1.0359, 0.0755,
0.0951

■ 158.6332, 0.2459,
0.2673

■ 0.0000, 0.0000,
0.0000

196.4745, 0.2502,

0.2714

239.9005, 0.2540,
0.2750

■ 27.3392, 0.1994,
0.2226

■ 27.3392, 0.1994,
0.2226

■ 24.4689, 0.1923,
0.2080

■ 30.6456, 0.2086,
0.2374

■ 22.5833, 0.1882,
0.1975

■ 34.4265, 0.2199,
0.2522

■ 38.7177, 0.2328,
0.2666

■ 43.5495, 0.2469,
0.2805

■ 48.9497, 0.2620,
0.2935

■ 54.9435, 0.2775,
0.3055

■ 61.5544, 0.2932,
0.3166

■ 68.8044, 0.3087,
0.3265

■ 76.7143, 0.3238,
0.3355

Harmonies

Analogous

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



27.3392, 0.1852, 0.2537



27.3392, 0.1994, 0.2226



27.3392, 0.2404, 0.2184

Triad

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



27.3392, 0.1994, 0.2226



27.3392, 0.4400, 0.3241



27.3392, 0.3061, 0.4517

Complementary

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



27.3392, 0.1994, 0.2226



25.7133, 0.5316, 0.3926

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.



27.3392, 0.3763, 0.4622



27.3392, 0.1994, 0.2226



27.3392, 0.4586, 0.3787

Square

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



27.3392, 0.1994, 0.2226



27.3392, 0.3808, 0.2744



27.3392, 0.4331, 0.4299



27.3392, 0.2414, 0.3917

Rectangle

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



27.3392, 0.1994, 0.2226



27.3392, 0.2816, 0.2285



27.3392, 0.4331, 0.4299



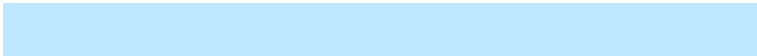
27.3392, 0.3299, 0.4612

Sweetspot

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



27.3401, 0.1994, 0.2226



75.3126, 0.2735, 0.3025



52.0716, 0.2796, 0.5082



15.4740, 0.2680, 0.2983



0.0000, 0.0000, 0.0000



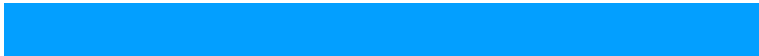
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3401, 0.1994, 0.2226



31.9538, 0.1884, 0.1978



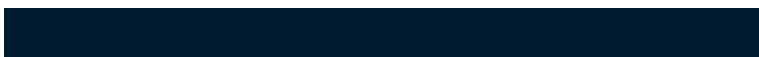
8.9884, 0.1660, 0.0975



13.9524, 0.2982, 0.3199



13.6113, 0.1888, 0.1997



1.0463, 0.1953, 0.2231

Inverse Universe

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



18.6471, 0.4183, 0.2203



23.8106, 0.4477, 0.2244



54.1608, 0.4343, 0.4797



13.1863, 0.3196, 0.3146



9.9978, 0.4457, 0.2229



0.6643, 0.4200, 0.2087

Previews

White Background



This preview shows how the Yxy color 27.3392, 0.1994, 0.2226 looks on a white background.

Color Contrast Check

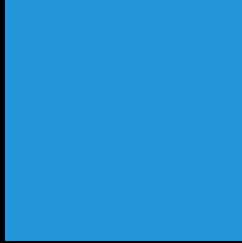
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3392, 0.1994, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

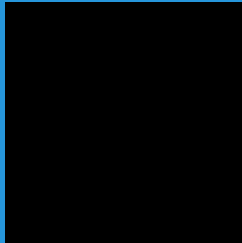
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

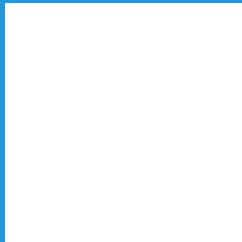
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.3392, 0.1994, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 27.3392, 0.1994, 0.2226.

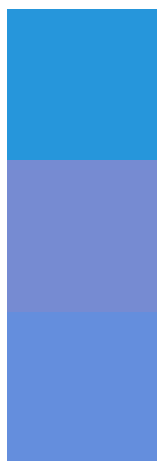


This preview shows how white text looks on a background with the Yxy color 27.3392, 0.1994, 0.2226.

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

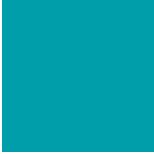
27.3392, 0.1994, 0.2226

Protanopia

26.9699, 0.2362, 0.2248

Deuteranopia

27.2758, 0.2195, 0.2140



Tritanopia

27.3560, 0.2186, 0.3069

Trichromacy



Original Color

27.3392, 0.1994, 0.2226

Protanomaly

26.5729, 0.2177, 0.2229

Deuteranomaly

26.9959, 0.2094, 0.2166

Tritanomaly

27.1669, 0.2101, 0.2720

Monochromacy



Original Color

27.3392, 0.1994, 0.2226

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.6054, 0.2497, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3392, 0.1994, 0.2226 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(38, 150, 219)` looks like.

```
.text, #text, p{  
    color:rgb(38, 150, 219)  
}
```

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(38, 150, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 150, 219) }
```

Border

The CSS property to change the border of an element to Yxy 27.3392, 0.1994, 0.2226 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(38, 150, 219) }
```

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

```
.border{ border-color:rgb(38, 150, 219) }
```

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

Here you see how a box with a 4 pixel rgb(38, 150, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 150, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 150, 219);  
box-shadow:4px 4px 4px 4px rgb(38, 150,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3392, 0.1994, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 150, 219) }
```

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

```
.background{ background-color: rgb(38, 150,  
219) }
```

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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