

Converting Colors

$Yxy(28.5219, 0.2219, 0.2667)$

Have a look what the booklet for
Yxy(28.5219, 0.2219, 0.2667)
contains.

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Color

Yxy(28.5219, 0.2219, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	449BC1
RGB	68, 155, 193
RGB Percent	27%, 61%, 76%
CMY	0.7331, 0.3922, 0.2432
CMYK	0.65, 0.20, 0.00, 0.24
HSL	198°, 50%, 51%
HSV	198°, 65%, 76%
XYZ	23.7308, 28.5219, 54.6910
YIQ	133.3190, -64.0500, -6.6260

Conversions

Conversions Part 2

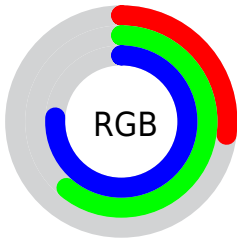
Format	Color
R_{YB}	68, 119, 193
Decimal	4496321
CIE _{Lab}	60.36, -14.28, -27.33
CIE _{LCh}	60, 30.839, 242.409
Yxy	28.5219, 0.2219, 0.2667
Android (android.graphics.Color)	4282686401 (0xFF449BC1)
YUV	133.3190, 29.4227, -57.2848
Hunter-Lab	53.4059, -14.1442, -23.3326

Details

The Yxy color **28.5219, 0.2219, 0.2667** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **22.0653, 0.4818, 0.3772**, and the grayscale version is **23.4908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0923, 0.2389, 0.2786**, and **11.7647, 0.2020, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **26.0336, 0.2122, 0.2552**, and if you desaturate by 10%, it is **31.3354, 0.2333, 0.2779**.

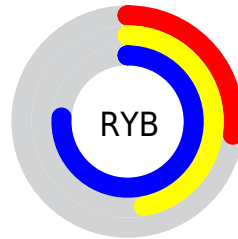
Distribution



Red (27%)

Green (61%)

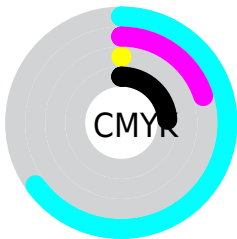
Blue (76%)



Red (27%)

Yellow (47%)

Blue (76%)

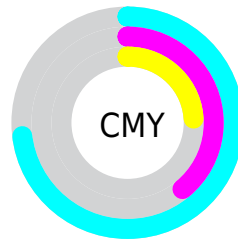


Cyan (65%)

Magenta (20%)

Yellow (0%)

Black (24%)



Cyan (73%)

Magenta (39%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5219, 0.2219, 0.2667 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 28.5219, 0.2219, 0.2667 by changing the saturation by 10% instead.

■ 28.5219, 0.2219,
0.2667

■ 28.5219, 0.2219,
0.2667

■ 294.9524, 0.2691,
0.3007

■ 18.7194, 0.2098,
0.2574

■ 57.3166, 0.2394,
0.2797

■ 11.4677, 0.1941,
0.2449

■ 77.0777, 0.2458,
0.2844

■ 6.3824, 0.1732,
0.2277

■ 100.9270, 0.2513,
0.2883

■ 3.0789, 0.1445,
0.2025

■ 129.2491, 0.2559,
0.2916

■ 1.1731, 0.1035,
0.1638

■ 162.4283, 0.2599,
0.2944

■ 0.0396, 0.0000,
0.0167

200.8490, 0.2633,

■ 0.0000, 0.0000,

0.2968

0.0000

244.8955, 0.2664,
0.2989

■ 28.5219, 0.2219,
0.2667

■ 28.5219, 0.2219,
0.2667

■ 26.0336, 0.2122,
0.2552

■ 31.3354, 0.2333,
0.2779

■ 23.8428, 0.2045,
0.2437

■ 34.4927, 0.2462,
0.2888

■ 21.9208, 0.1988,
0.2323

■ 38.0140, 0.2602,
0.2990

■ 20.9865, 0.1962,
0.2264

■ 41.9168, 0.2750,
0.3086

■ 46.2176, 0.2902,
0.3174

■ 50.9314, 0.3055,
0.3255

■ 56.0724, 0.3207,
0.3327

■ 61.6543, 0.3355,
0.3392

■ 67.6899, 0.3499,
0.3450

Harmonies

Analogous

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



28.5219, 0.2253, 0.3035



28.5219, 0.2219, 0.2667



28.5219, 0.2400, 0.2495

Triad

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



28.5219, 0.2219, 0.2667



28.5219, 0.3767, 0.3030



28.5219, 0.3427, 0.4208

Complementary

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



28.5219, 0.2219, 0.2667



22.0653, 0.4818, 0.3772

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.



28.5219, 0.3868, 0.4118



28.5219, 0.2219, 0.2667



28.5219, 0.4087, 0.3422

Square

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



28.5219, 0.2219, 0.2667



28.5219, 0.3272, 0.2710



28.5219, 0.4119, 0.3815



28.5219, 0.2926, 0.3993

Rectangle

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



28.5219, 0.2219, 0.2667



28.5219, 0.2629, 0.2490



28.5219, 0.4119, 0.3815



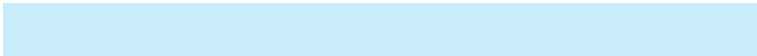
28.5219, 0.3587, 0.4209

Sweetspot

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



28.5229, 0.2219, 0.2667



79.1954, 0.2832, 0.3135



40.3902, 0.2845, 0.4782



16.5179, 0.2789, 0.3109



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.5229, 0.2219, 0.2667



44.8160, 0.2085, 0.2501



12.9150, 0.1968, 0.1596



10.8949, 0.2984, 0.3218



14.1088, 0.1966, 0.2278



0.7264, 0.2036, 0.2531

Inverse Universe

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



17.8412, 0.3715, 0.2211



26.7819, 0.3900, 0.2084



39.7536, 0.4209, 0.4518



10.1937, 0.3183, 0.3131



8.7065, 0.4149, 0.2059



0.3880, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 28.5219, 0.2219, 0.2667 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 28.5219, 0.2219, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

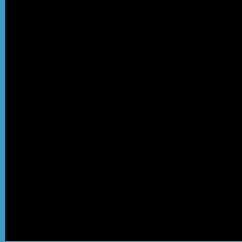
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5219, 0.2219, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 28.5219, 0.2219, 0.2667.

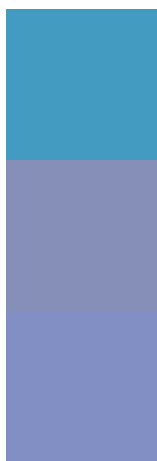


This preview shows how white text looks on a background with the Yxy color 28.5219, 0.2219, 0.2667.

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

28.5219, 0.2219, 0.2667

Protanopia

28.1739, 0.2676, 0.2664

Deuteranopia

28.3763, 0.2553, 0.2499



Tritanopia

28.6447, 0.2300, 0.3060

Trichromacy



Original Color

28.5219, 0.2219, 0.2667

Protanomaly

27.7703, 0.2469, 0.2654

Deuteranomaly

27.9334, 0.2397, 0.2541

Tritanomaly

28.7411, 0.2269, 0.2913

Monochromacy



Original Color

28.5219, 0.2219, 0.2667

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.6675, 0.2684, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5219, 0.2219, 0.2667 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(68, 155, 193)` looks like.

```
.text, #text, p{  
    color:rgb(68, 155, 193)  
}
```

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(68, 155, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 155, 193) }
```

Border

The CSS property to change the border of an element to Yxy 28.5219, 0.2219, 0.2667 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(68, 155, 193) }
```

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

```
.border{ border-color:rgb(68, 155, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 155, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 155, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 155, 193);  
box-shadow:4px 4px 4px 4px rgb(68, 155,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5219, 0.2219, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 155, 193) }
```

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

```
.background{ background-color: rgb(68, 155,  
193) }
```

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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