

Converting Colors

$Yxy(29.3957, 0.2167, 0.2604)$

Have a look what the booklet for
Yxy(29.3957, 0.2167, 0.2604)
contains.

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Color

Yxy(29.2762, 0.2166, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	3D9DC8
RGB	61, 157, 200
RGB Percent	24%, 62%, 78%
CMY	0.7606, 0.3843, 0.2157
CMYK	0.69, 0.21, 0.00, 0.22
HSL	199°, 56%, 51%
HSV	199°, 69%, 78%
XYZ	24.4081, 29.2762, 59.0031
YIQ	133.1980, -71.0190, -6.9790

Conversions

Conversions Part 2

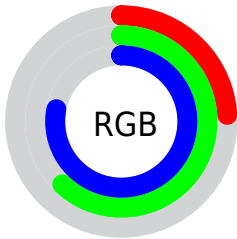
Format	Color
R_{YB}	61, 118, 200
Decimal	4038088
CIE _{Lab}	61.02, -14.19, -30.25
CIE _{LCh}	61, 33.418, 244.869
Yxy	29.2762, 0.2166, 0.2598
Android (android.graphics.Color)	4282228168 (0xFF3D9DC8)
YUV	133.1980, 32.9334, -63.3176
Hunter-Lab	54.1075, -14.1660, -26.7793

Details

The Yxy color **29.2762, 0.2166, 0.2598** 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 **22.5262, 0.4990, 0.3795**, and the grayscale version is **23.4339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5921, 0.2356, 0.2767**, and **12.3834, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **26.7146, 0.2078, 0.2480**, and if you desaturate by 10%, it is **32.1826, 0.2273, 0.2714**.

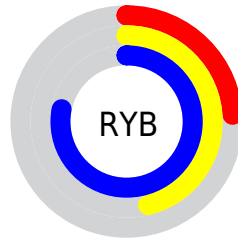
Distribution



Red (24%)

Green (62%)

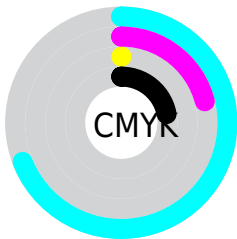
Blue (78%)



Red (24%)

Yellow (46%)

Blue (78%)

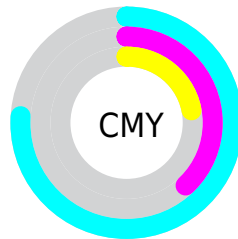


Cyan (69%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (76%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2762, 0.2166, 0.2598 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 29.2762, 0.2166, 0.2598 by changing the saturation by 10% instead.

■ 29.2762, 0.2166,
0.2598

■ 29.2762, 0.2166,
0.2598

■ 298.5159, 0.2661,
0.2972

■ 19.2899, 0.2041,
0.2497

■ 58.5156, 0.2348,
0.2740

■ 11.8799, 0.1880,
0.2364

■ 78.5375, 0.2416,
0.2791

■ 6.6620, 0.1668,
0.2182

■ 102.6734, 0.2473,
0.2834

■ 3.2516, 0.1381,
0.1921

■ 131.3076, 0.2522,
0.2870

■ 1.2645, 0.0986,
0.1532

■ 164.8245, 0.2564,
0.2901

■ 0.1134, 0.0000,
0.0379

203.6086, 0.2600,

■ 0.0000, 0.0000,

0.2928

0.0000

248.0443, 0.2633,
0.2952

■ 29.2762, 0.2166,
0.2598

■ 29.2762, 0.2166,
0.2598

■ 26.7146, 0.2078,
0.2480

■ 32.1826, 0.2273,
0.2714

■ 24.4652, 0.2009,
0.2363

■ 35.4557, 0.2397,
0.2827

■ 22.4781, 0.1959,
0.2248

■ 39.1189, 0.2533,
0.2935

■ 22.3773, 0.1956,
0.2241

■ 43.1921, 0.2678,
0.3036

■ 47.6939, 0.2829,
0.3130

■ 52.6415, 0.2982,
0.3216

■ 58.0509, 0.3135,
0.3294

■ 63.9374, 0.3286,
0.3364

■ 70.3152, 0.3432,
0.3426

Harmonies

Analogous

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



29.2762, 0.2182, 0.2973



29.2762, 0.2166, 0.2598



29.2762, 0.2375, 0.2436

Triad

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



29.2762, 0.2166, 0.2598



29.2762, 0.3852, 0.3043



29.2762, 0.3401, 0.4274

Complementary

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



29.2762, 0.2166, 0.2598



22.5262, 0.4990, 0.3795

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.



29.2762, 0.3885, 0.4194



29.2762, 0.2166, 0.2598



29.2762, 0.4174, 0.3461

Square

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



29.2762, 0.2166, 0.2598



29.2762, 0.3327, 0.2695



29.2762, 0.4179, 0.3878



29.2762, 0.2867, 0.4017

Rectangle

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



29.2762, 0.2166, 0.2598



29.2762, 0.2629, 0.2443



29.2762, 0.4179, 0.3878



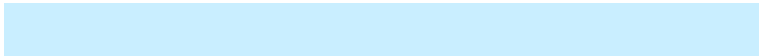
29.2762, 0.3575, 0.4282

Sweetspot

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



29.2772, 0.2166, 0.2598



81.0993, 0.2801, 0.3114



43.2731, 0.2840, 0.4913



16.8833, 0.2758, 0.3088



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.



29.2772, 0.2166, 0.2598



44.3545, 0.2043, 0.2425



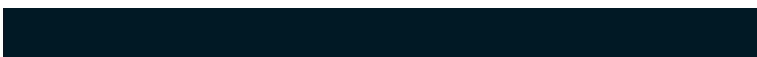
12.2820, 0.1886, 0.1456



11.4923, 0.2984, 0.3217



14.3946, 0.1961, 0.2258



0.8061, 0.2027, 0.2498

Inverse Universe

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



18.0559, 0.3788, 0.2166



26.7095, 0.3983, 0.2071



42.1991, 0.4282, 0.4580



10.7586, 0.3184, 0.3132



8.9931, 0.4171, 0.2071



0.4384, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 29.2762, 0.2166, 0.2598 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 29.2762, 0.2166, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

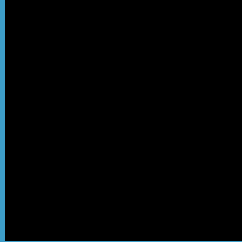
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2762, 0.2166, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 29.2762, 0.2166, 0.2598.

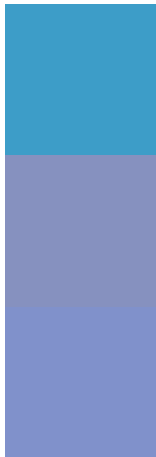


This preview shows how white text looks on a background with the Yxy color 29.2762, 0.2166, 0.2598.

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

29.2762, 0.2166, 0.2598

Protanopia

29.0807, 0.2626, 0.2601

Deuteranopia

29.1518, 0.2494, 0.2439



Tritanopia

29.4713, 0.2254, 0.3061

Trichromacy



Original Color

29.2762, 0.2166, 0.2598

Protanomaly

28.5157, 0.2409, 0.2587

Deuteranomaly

28.7022, 0.2342, 0.2478

Tritanomaly

29.2804, 0.2218, 0.2881

Monochromacy



Original Color

29.2762, 0.2166, 0.2598

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.9061, 0.2652, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2762, 0.2166, 0.2598 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(61, 157, 200)` looks like.

```
.text, #text, p{  
    color:rgb(61, 157, 200)  
}
```

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(61, 157, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 157, 200) }
```

Border

The CSS property to change the border of an element to Yxy 29.2762, 0.2166, 0.2598 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(61, 157, 200) }
```

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

```
.border{ border-color:rgb(61, 157, 200) }
```

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

Here you see how a box with a 4 pixel rgb(61, 157, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 157, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 157, 200);  
box-shadow:4px 4px 4px 4px rgb(61, 157,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2762, 0.2166, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 157, 200) }
```

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

```
.background{ background-color: rgb(61, 157,  
200) }
```

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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