

Converting Colors

$Y_{xy}(29.2465, 0.2125, 0.2526)$

Have a look what the booklet for
Yxy(29.2465, 0.2125, 0.2526)
contains.

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Color

Yxy(29.3625, 0.2126, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	389DCD
RGB	56, 157, 205
RGB Percent	22%, 62%, 80%
CMY	0.7808, 0.3843, 0.1960
CMYK	0.73, 0.23, 0.00, 0.20
HSL	199°, 60%, 51%
HSV	199°, 73%, 80%
XYZ	24.7031, 29.3625, 62.1295
YIQ	132.2730, -75.6040, -6.4840

Conversions

Conversions Part 2

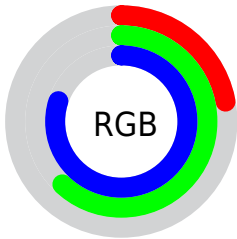
Format	Color
R _Y B	56, 116, 205
Decimal	3710413
CIE Lab	61.10, -13.24, -32.95
CIE LCh	61, 35.516, 248.107
Yxy	29.3625, 0.2126, 0.2527
Android (android.graphics.Color)	4281900493 (0xFF389DCD)
YUV	132.2730, 35.8544, -66.8914
Hunter-Lab	54.1872, -13.4522, -30.0493

Details

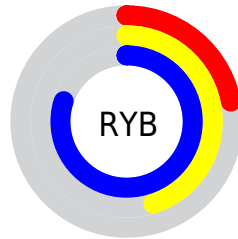
The Yxy color **29.3625, 0.2126, 0.2527** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **23.1424, 0.5092, 0.3823**, and the grayscale version is **23.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4445, 0.2348, 0.2765**, and **12.5424, 0.1974, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **26.7170, 0.2042, 0.2404**, and if you desaturate by 10%, it is **32.3722, 0.2229, 0.2649**.

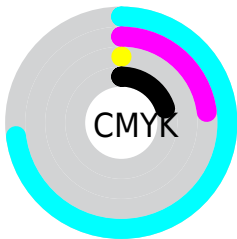
Distribution



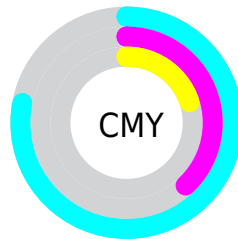
- Red (22%)
- Green (62%)
- Blue (80%)



- Red (22%)
- Yellow (45%)
- Blue (80%)



- Cyan (73%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (78%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3625, 0.2126, 0.2527 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 29.3625, 0.2126, 0.2527 by changing the saturation by 10% instead.

■ 29.3625, 0.2126,
0.2527

■ 29.3625, 0.2126,
0.2527

■ 298.9215, 0.2640,
0.2936

■ 19.3552, 0.1997,
0.2418

■ 58.6525, 0.2314,
0.2681

■ 11.9272, 0.1832,
0.2276

■ 78.7041, 0.2384,
0.2737

■ 6.6941, 0.1617,
0.2083

■ 102.8725, 0.2444,
0.2784

■ 3.2716, 0.1328,
0.1811

■ 131.5422, 0.2494,
0.2824

■ 1.2751, 0.0938,
0.1416

■ 165.0975, 0.2538,
0.2858

■ 0.1218, 0.0000,
0.0355

203.9229, 0.2576,

■ 0.0000, 0.0000,

0.2888

0.0000

248.4028, 0.2610,
0.2913

■ 29.3625, 0.2126,
0.2527

■ 29.3625, 0.2126,
0.2527

■ 26.7170, 0.2042,
0.2404

■ 32.3722, 0.2229,
0.2649

■ 24.3991, 0.1979,
0.2282

■ 35.7713, 0.2349,
0.2769

■ 22.8804, 0.1943,
0.2195

■ 39.5854, 0.2483,
0.2883

■ 43.8369, 0.2627,
0.2992

■ 48.5461, 0.2778,
0.3092

■ 53.7318, 0.2932,
0.3185

■ 59.4117, 0.3085,
0.3269

■ 65.6024, 0.3237,
0.3344

■ 72.3196, 0.3384,
0.3411

Harmonies

Analogous

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



29.3625, 0.2116, 0.2897



29.3625, 0.2126, 0.2527



29.3625, 0.2369, 0.2383

Triad

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



29.3625, 0.2126, 0.2527



29.3625, 0.3948, 0.3072



29.3625, 0.3352, 0.4327

Complementary

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



29.3625, 0.2126, 0.2527



23.1424, 0.5092, 0.3823

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.



29.3625, 0.3879, 0.4271



29.3625, 0.2126, 0.2527



29.3625, 0.4256, 0.3515

Square

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



29.3625, 0.2126, 0.2527



29.3625, 0.3402, 0.2695



29.3625, 0.4221, 0.3950



29.3625, 0.2791, 0.4017

Rectangle

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



29.3625, 0.2126, 0.2527



29.3625, 0.2650, 0.2406



29.3625, 0.4221, 0.3950



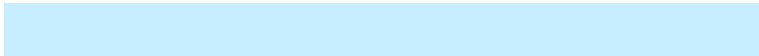
29.3625, 0.3539, 0.4347

Sweetspot

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



29.3635, 0.2126, 0.2527



79.8838, 0.2785, 0.3097



45.4868, 0.2827, 0.4962



16.6266, 0.2743, 0.3070



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.



29.3635, 0.2126, 0.2527



41.6578, 0.2006, 0.2338



11.4666, 0.1824, 0.1328



12.0945, 0.2983, 0.3214



14.4208, 0.1948, 0.2212



0.8776, 0.2013, 0.2447

Inverse Universe

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



18.2326, 0.3862, 0.2155



25.7997, 0.4076, 0.2087



44.9752, 0.4307, 0.4640



11.3399, 0.3186, 0.3134



9.2588, 0.4219, 0.2098



0.4911, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 29.3625, 0.2126, 0.2527 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 29.3625, 0.2126, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

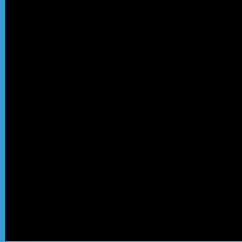
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3625, 0.2126, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 29.3625, 0.2126, 0.2527.



This preview shows how white text looks on a background with the Yxy color 29.3625, 0.2126, 0.2527.

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

29.3625, 0.2126, 0.2527

Protanopia

29.1419, 0.2574, 0.2533

Deuteranopia

29.0900, 0.2432, 0.2372



Tritanopia

29.2513, 0.2215, 0.3043

Trichromacy



Original Color

29.3625, 0.2126, 0.2527

Protanomaly

28.5615, 0.2359, 0.2517

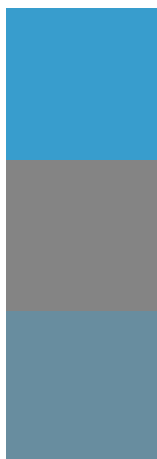
Deuteranomaly

28.6525, 0.2283, 0.2409

Tritanomaly

29.1608, 0.2173, 0.2831

Monochromacy



Original Color

29.3625, 0.2126, 0.2527

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.4960, 0.2609, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3625, 0.2126, 0.2527 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(56, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(56, 157, 205)  
}
```

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(56, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 157, 205) }
```

Border

The CSS property to change the border of an element to Yxy 29.3625, 0.2126, 0.2527 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(56, 157, 205) }
```

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

```
.border{ border-color:rgb(56, 157, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 157, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(56, 157,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3625, 0.2126, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 157, 205) }
```

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

```
.background{ background-color: rgb(56, 157,  
205) }
```

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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