

Converting Colors

$Yxy(29.3864, 0.2163, 0.2448)$

Have a look what the booklet for
Yxy(29.3864, 0.2163, 0.2448)
contains.

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Color

Yxy(29.4626, 0.2163, 0.2454)

Conversions

Conversions Part 1

Format	Color
Hex	499BD1
RGB	73, 155, 209
RGB Percent	29%, 61%, 82%
CMY	0.7142, 0.3921, 0.1805
CMYK	0.65, 0.26, 0.00, 0.18
HSL	204°, 60%, 55%
HSV	204°, 65%, 82%
XYZ	25.9689, 29.4626, 64.6280
YIQ	136.6380, -66.2060, -0.5900

Conversions

Conversions Part 2

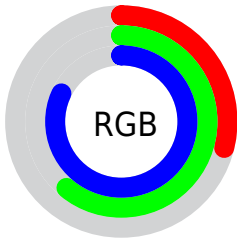
Format	Color
R _Y B	73, 124, 209
Decimal	4824017
CIE Lab	61.19, -8.26, -35.00
CIE LCh	61, 35.960, 256.720
Yxy	29.4626, 0.2163, 0.2454
Android (android.graphics.Color)	4283014097 (0xFF499BD1)
YUV	136.6380, 35.6745, -55.8105
Hunter-Lab	54.2795, -9.5895, -32.5982

Details

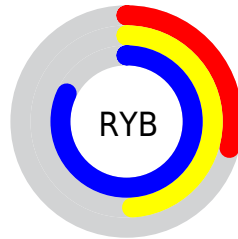
The Yxy color **29.4626, 0.2163, 0.2454** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **29.1717, 0.4719, 0.3926**, and the grayscale version is **24.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8893, 0.2394, 0.2735**, and **12.2337, 0.1947, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **26.1168, 0.2053, 0.2300**, and if you desaturate by 10%, it is **33.2738, 0.2290, 0.2605**.

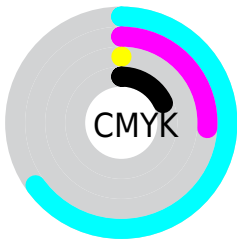
Distribution



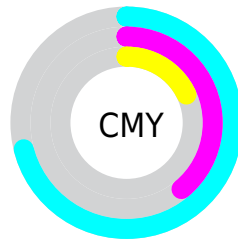
- Red (29%)
- Green (61%)
- Blue (82%)



- Red (29%)
- Yellow (49%)
- Blue (82%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (71%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4626, 0.2163, 0.2454 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 29.4626, 0.2163, 0.2454 by changing the saturation by 10% instead.

■ 29.4626, 0.2163,
0.2454

■ 29.4626, 0.2163,
0.2454

■ 299.3914, 0.2658,
0.2895

■ 19.4310, 0.2038,
0.2339

■ 58.8113, 0.2345,
0.2619

■ 11.9822, 0.1879,
0.2190

■ 78.8972, 0.2412,
0.2679

■ 6.7315, 0.1670,
0.1990

■ 103.1033, 0.2470,
0.2730

■ 3.2948, 0.1390,
0.1714

■ 131.8141, 0.2518,
0.2773

■ 1.2875, 0.1009,
0.1322

■ 165.4139, 0.2561,
0.2810

■ 0.1315, 0.0000,
0.0345

■ 204.2871, 0.2597,

■ 0.0000, 0.0000,

0.2842

0.0000

248.8182, 0.2630,
0.2871

■ 29.4626, 0.2163,
0.2454

■ 29.4626, 0.2163,
0.2454

■ 26.1168, 0.2053,
0.2300

■ 33.2738, 0.2290,
0.2605

■ 23.2007, 0.1964,
0.2146

■ 37.5757, 0.2431,
0.2751

■ 20.6764, 0.1896,
0.1996

■ 42.3949, 0.2581,
0.2888

■ 19.5552, 0.1868,
0.1924

■ 47.7548, 0.2737,
0.3016

■ 53.6772, 0.2893,
0.3133

■ 60.1823, 0.3049,
0.3240

■ 67.2893, 0.3200,
0.3335

■ 75.0164, 0.3347,
0.3420

■ 82.2312, 0.3443,
0.3498

Harmonies

Analogous

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



29.4626, 0.2084, 0.2762



29.4626, 0.2163, 0.2454



29.4626, 0.2473, 0.2373

Triad

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



29.4626, 0.2163, 0.2454



29.4626, 0.4079, 0.3193



29.4626, 0.3187, 0.4288

Complementary

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



29.4626, 0.2163, 0.2454



29.1717, 0.4719, 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.



29.4626, 0.3746, 0.4333



29.4626, 0.2163, 0.2454



29.4626, 0.4295, 0.3647

Square

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



29.4626, 0.2163, 0.2454



29.4626, 0.3577, 0.2787



29.4626, 0.4160, 0.4067



29.4626, 0.2640, 0.3877

Rectangle

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



29.4626, 0.2163, 0.2454



29.4626, 0.2792, 0.2435



29.4626, 0.4160, 0.4067



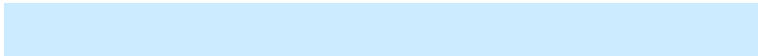
29.4626, 0.3380, 0.4345

Sweetspot

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



29.4636, 0.2163, 0.2454



79.3472, 0.2813, 0.3075



48.4865, 0.2786, 0.4619



16.4266, 0.2769, 0.3041



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.



29.4636, 0.2163, 0.2454



39.1675, 0.2017, 0.2242



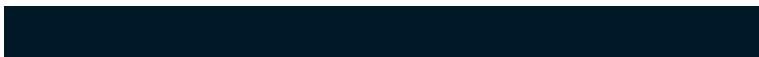
13.1198, 0.1917, 0.1413



12.5875, 0.2983, 0.3196



12.2565, 0.1874, 0.1946



0.8379, 0.1950, 0.2219

Inverse Universe

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



20.6699, 0.3910, 0.2337



27.2380, 0.4158, 0.2242



52.2185, 0.4133, 0.4633



11.9263, 0.3198, 0.3151



9.3086, 0.4515, 0.2261



0.5359, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 29.4626, 0.2163, 0.2454 looks on a white background.

Color Contrast Check

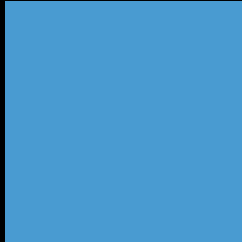
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4626, 0.2163, 0.2454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

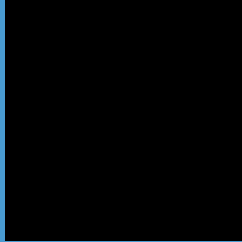
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

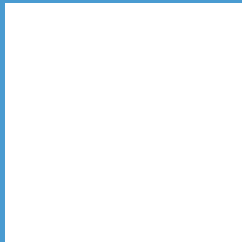
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4626, 0.2163, 0.2454

Background



This preview shows how black text looks on a background with the Yxy color 29.4626, 0.2163, 0.2454.

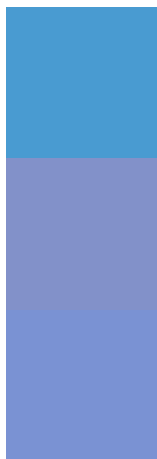


This preview shows how white text looks on a background with the Yxy color 29.4626, 0.2163, 0.2454.

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

29.4626, 0.2163, 0.2454

Protanopia

29.2137, 0.2523, 0.2467

Deuteranopia

29.3985, 0.2402, 0.2349



Tritanopia

29.3692, 0.2282, 0.3045

Trichromacy



Original Color

29.4626, 0.2163, 0.2454

Protanomaly

29.1057, 0.2362, 0.2460

Deuteranomaly

29.0911, 0.2297, 0.2379

Tritanomaly

29.3762, 0.2237, 0.2821

Monochromacy



Original Color

29.4626, 0.2163, 0.2454

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.1683, 0.2668, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4626, 0.2163, 0.2454 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(73, 155, 209)` looks like.

```
.text, #text, p{  
    color:rgb(73, 155, 209)  
}
```

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(73, 155, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 155, 209) }
```

Border

The CSS property to change the border of an element to Yxy 29.4626, 0.2163, 0.2454 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(73, 155, 209) }
```

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

```
.border{ border-color:rgb(73, 155, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 155, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 155, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 155, 209);  
box-shadow:4px 4px 4px 4px rgb(73, 155,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4626, 0.2163, 0.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 155, 209) }
```

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

```
.background{ background-color: rgb(73, 155,  
209) }
```

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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