

Converting Colors

$Y_{xy}(29.8062, 0.2454, 0.2752)$

Have a look what the booklet for
Yxy(29.8062, 0.2454, 0.2752)
contains.

Yxy(29.8062, 0.2454, 0.2752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.8062, 0.2454, 0.2752)$

Conversions

Conversions Part 1

Format	Color
Hex	6A9ABC
RGB	106, 154, 188
RGB Percent	42%, 60%, 74%
CMY	0.5842, 0.3961, 0.2628
CMYK	0.44, 0.18, 0.00, 0.26
HSL	205°, 38%, 58%
HSV	205°, 44%, 74%
XYZ	26.5786, 29.8062, 51.9226
YIQ	143.5240, -39.5220, 0.3980

Conversions

Conversions Part 2

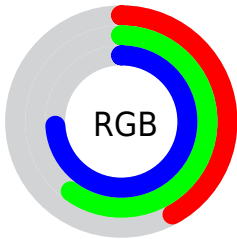
Format	Color
R_{YB}	106, 136, 188
Decimal	6986428
CIE _{Lab}	61.49, -7.03, -22.66
CIE _{LCh}	61, 23.721, 252.763
Yxy	29.8062, 0.2454, 0.2752
Android (android.graphics.Color)	4285176508 (0xFF6A9ABC)
YUV	143.5240, 21.9267, -32.9085
Hunter-Lab	54.5951, -8.6418, -18.1712

Details

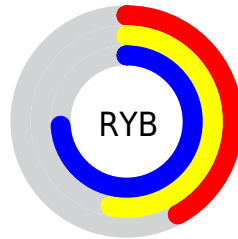
The Yxy color $29.8062, 0.2454, 0.2752$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $30.4964, 0.4038, 0.3764$, and the grayscale version is $27.6145, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2205, 0.2589, 0.2861$, and $12.1798, 0.2238, 0.2562$ is the 20% darker color. If you saturate the color by 10%, you get $26.2877, 0.2310, 0.2602$, and if you desaturate by 10%, it is $33.7467, 0.2606, 0.2894$.

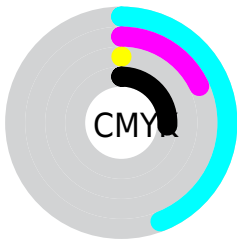
Distribution



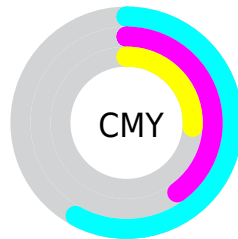
- Red (42%)
- Green (60%)
- Blue (74%)



- Red (42%)
- Yellow (53%)
- Blue (74%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (58%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8062, 0.2454, 0.2752 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 29.8062, 0.2454, 0.2752 by changing the saturation by 10% instead.

■ 29.8062, 0.2454,
0.2752

■ 29.8062, 0.2454,
0.2752

■ 301.0001, 0.2806,
0.3041

■ 19.6915, 0.2362,
0.2674

■ 59.3556, 0.2586,
0.2861

■ 12.1710, 0.2241,
0.2570

■ 79.5590, 0.2634,
0.2901

■ 6.8603, 0.2076,
0.2426

■ 103.8943, 0.2674,
0.2934

■ 3.3749, 0.1843,
0.2215

■ 132.7456, 0.2709,
0.2962

■ 1.3304, 0.1491,
0.1884

■ 166.4974, 0.2738,
0.2986

■ 0.1646, 0.0000,
0.0759

■ 205.5342, 0.2764,

■ 0.0000, 0.0000,

0.3007

0.0000

250.2403, 0.2787,
0.3025

■ 29.8062, 0.2454,
0.2752

■ 29.8062, 0.2454,
0.2752

■ 26.2877, 0.2310,
0.2602

■ 33.7467, 0.2606,
0.2894

■ 23.1680, 0.2178,
0.2445

■ 38.1239, 0.2762,
0.3025

■ 20.4262, 0.2062,
0.2285

■ 42.9560, 0.2919,
0.3145

■ 18.0375, 0.1966,
0.2124

■ 48.2589, 0.3073,
0.3254

■ 15.9727, 0.1892,
0.1968

■ 54.0476, 0.3222,
0.3351

■ 14.7854, 0.1853,
0.1869

■ 60.3363, 0.3366,
0.3438

■ 67.1387, 0.3502,
0.3514

■ 74.1956, 0.3620,
0.3583

■ 78.2956, 0.3600,
0.3660

Harmonies

Analogous

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



29.8062, 0.2422, 0.2993



29.8062, 0.2454, 0.2752



29.8062, 0.2653, 0.2664

Triad

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



29.8062, 0.2454, 0.2752



29.8062, 0.3715, 0.3197



29.8062, 0.3232, 0.3944

Complementary

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



29.8062, 0.2454, 0.2752



30.4964, 0.4038, 0.3764

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.



29.8062, 0.3594, 0.3965



29.8062, 0.2454, 0.2752



29.8062, 0.3888, 0.3512

Square

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



29.8062, 0.2454, 0.2752



29.8062, 0.3377, 0.2918



29.8062, 0.3839, 0.3795



29.8062, 0.2856, 0.3710

Rectangle

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



29.8062, 0.2454, 0.2752



29.8062, 0.2863, 0.2690



29.8062, 0.3839, 0.3795



29.8062, 0.3360, 0.3976

Sweetspot

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



29.8073, 0.2454, 0.2752



78.2112, 0.2925, 0.3149



40.8871, 0.2852, 0.4080



16.3850, 0.2890, 0.3124



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.8073, 0.2454, 0.2752



48.0965, 0.2320, 0.2613



18.7844, 0.2343, 0.2089



10.1280, 0.2984, 0.3193



10.2173, 0.1858, 0.1888



0.5265, 0.1961, 0.2260

Inverse Universe

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



23.3391, 0.3586, 0.2638



36.0226, 0.3729, 0.2510



44.2908, 0.3809, 0.4258



9.6275, 0.3199, 0.3157



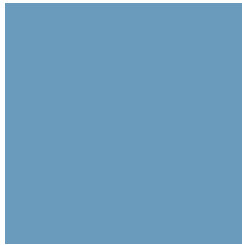
8.0611, 0.4581, 0.2297



0.3285, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 29.8062, 0.2454, 0.2752 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 29.8062, 0.2454, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

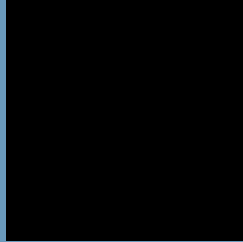
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

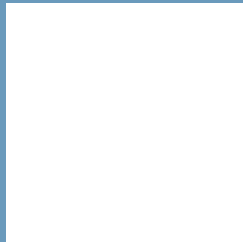
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8062, 0.2454, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 29.8062, 0.2454, 0.2752.

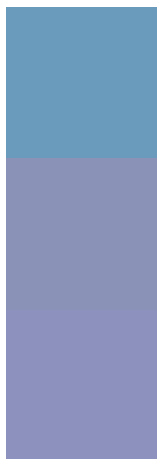


This preview shows how white text looks on a background with the Yxy color 29.8062, 0.2454, 0.2752.

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

29.8062, 0.2454, 0.2752

Protanopia

29.4656, 0.2732, 0.2732

Deuteranopia

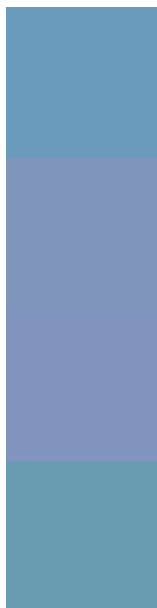
29.5440, 0.2685, 0.2624



Tritanopia

29.7829, 0.2546, 0.3072

Trichromacy



Original Color

29.8062, 0.2454, 0.2752

Protanomaly

29.5097, 0.2619, 0.2736

Deuteranomaly

29.4431, 0.2597, 0.2666

Tritanomaly

29.8348, 0.2510, 0.2946

Monochromacy



Original Color

29.8062, 0.2454, 0.2752

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4637, 0.2842, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8062, 0.2454, 0.2752 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(106, 154, 188)` looks like.

```
.text, #text, p{  
    color:rgb(106, 154, 188)  
}
```

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(106, 154, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 154, 188) }
```

Border

The CSS property to change the border of an element to Yxy 29.8062, 0.2454, 0.2752 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(106, 154, 188) }
```

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

```
.border{ border-color:rgb(106, 154, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 154, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 154, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 154, 188);  
box-shadow:4px 4px 4px 4px rgb(106, 154,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8062, 0.2454, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 154, 188) }
```

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

```
.background{ background-color: rgb(106,  
154, 188) }
```

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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