

Converting Colors

$Y_{xy}(21.5652, 0.2407, 0.3042)$

Have a look what the booklet for
Yxy(21.5652, 0.2407, 0.3042)
contains.

Yxy(21.6811, 0.2413, 0.3056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.6811, 0.2413, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	468A96
RGB	70, 138, 150
RGB Percent	27%, 54%, 59%
CMY	0.7256, 0.4588, 0.4117
CMYK	0.53, 0.08, 0.00, 0.41
HSL	189°, 36%, 43%
HSV	189°, 53%, 59%
XYZ	17.1193, 21.6811, 32.1456
YIQ	119.0360, -44.3800, -10.6840

Conversions

Conversions Part 2

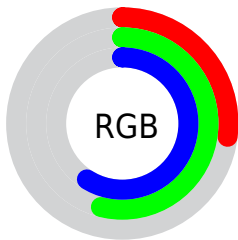
Format	Color
R_{YB}	70, 107, 150
Decimal	4622998
CIE _{Lab}	53.69, -18.00, -13.02
CIE _{LCh}	54, 22.221, 215.879
Yxy	21.6811, 0.2413, 0.3056
Android (android.graphics.Color)	4282813078 (0xFF468A96)
YUV	119.0360, 15.2653, -43.0046
Hunter-Lab	46.5630, -15.8581, -8.3379

Details

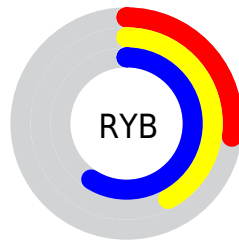
The Yxy color **21.6811, 0.2413, 0.3056** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.9621, 0.4505, 0.3496**, and the grayscale version is **18.4201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4189, 0.2569, 0.3122**, and **7.8803, 0.2155, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **20.5525, 0.2317, 0.3005**, and if you desaturate by 10%, it is **22.9641, 0.2524, 0.3106**.

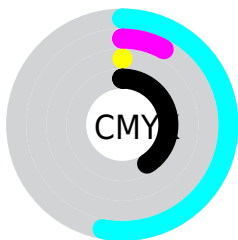
Distribution



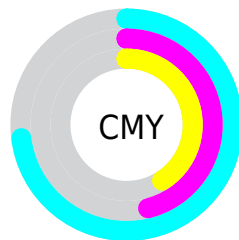
- Red (27%)
- Green (54%)
- Blue (59%)



- Red (27%)
- Yellow (42%)
- Blue (59%)



- Cyan (53%)
- Magenta (8%)
- Yellow (0%)
- Black (41%)





- Cyan (73%)
- Magenta (46%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6811, 0.2413, 0.3056 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 21.6811, 0.2413, 0.3056 by changing the saturation by 10% instead.


 21.6811, 0.2413,
0.3056


 21.6811, 0.2413,
0.3056

260.8763, 0.2806,
0.3196

 13.6228, 0.2302,
0.3011


 46.2184, 0.2565,
0.3114


 7.8588, 0.2151,
0.2945


 63.4661, 0.2619,
0.3133


 4.0047, 0.1936,
0.2843

 84.5457, 0.2664,
0.3149

 1.6762, 0.1607,
0.2665

 109.8416, 0.2701,
0.3162

 0.4082, 0.0000,
0.2245

 139.7383, 0.2733,
0.3173

 0.0000, 0.0000,
0.0000

174.6200, 0.2761,

0.3182

214.8712, 0.2785,
0.3190

■ 21.6811, 0.2413,
0.3056

■ 21.6811, 0.2413,
0.3056

■ 20.5525, 0.2317,
0.3005

■ 22.9641, 0.2524,
0.3106

■ 19.5651, 0.2239,
0.2953

■ 24.4087, 0.2649,
0.3153

■ 18.7077, 0.2179,
0.2901

■ 26.0244, 0.2785,
0.3198

■ 17.9658, 0.2138,
0.2849

■ 27.8192, 0.2928,
0.3240

■ 17.5100, 0.2115,
0.2814

■ 29.8007, 0.3077,
0.3278

■ 31.9759, 0.3228,
0.3313

■ 34.3517, 0.3378,
0.3344

■ 36.9342, 0.3527,
0.3372

■ 39.7296, 0.3673,
0.3397

Harmonies

Analogous

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



21.6811, 0.2599, 0.3439



21.6811, 0.2413, 0.3056



21.6811, 0.2404, 0.2774

Triad

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



21.6811, 0.2413, 0.3056



21.6811, 0.3293, 0.2848



21.6811, 0.3686, 0.3967

Complementary

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



21.6811, 0.2413, 0.3056



12.9621, 0.4505, 0.3496

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.



21.6811, 0.3900, 0.3753



21.6811, 0.2413, 0.3056



21.6811, 0.3671, 0.3121

Square

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



21.6811, 0.2413, 0.3056



21.6811, 0.2890, 0.2677



21.6811, 0.3898, 0.3444



21.6811, 0.3327, 0.3998

Rectangle

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



21.6811, 0.2413, 0.3056



21.6811, 0.2498, 0.2670



21.6811, 0.3898, 0.3444



21.6811, 0.3778, 0.3912

Sweetspot

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



21.6819, 0.2413, 0.3056



48.1079, 0.2885, 0.3228



23.7299, 0.2964, 0.4703



10.5312, 0.2859, 0.3220



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.6819, 0.2413, 0.3056



35.9083, 0.2301, 0.2995



12.2381, 0.2246, 0.2217



6.4154, 0.2990, 0.3256



14.5546, 0.2116, 0.2818



0.2105, 0.2186, 0.3068

Inverse Universe

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



12.6987, 0.3365, 0.2207



18.8963, 0.3431, 0.2018



20.8487, 0.4111, 0.4151



5.8944, 0.3159, 0.3104



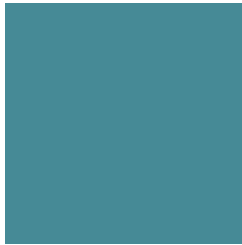
6.6627, 0.3618, 0.1767



0.0848, 0.3394, 0.1644

Previews

White Background



This preview shows how the Yxy color 21.6811, 0.2413, 0.3056 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 21.6811, 0.2413, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

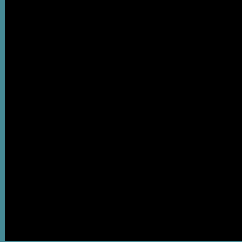
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6811, 0.2413, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 21.6811, 0.2413, 0.3056.



This preview shows how white text looks on a background with the Yxy color 21.6811, 0.2413, 0.3056.

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

21.6811, 0.2413, 0.3056

Protanopia

21.5219, 0.2935, 0.3008

Deuteranopia

21.5563, 0.2867, 0.2811



Tritanopia

21.6490, 0.2420, 0.3075

Trichromacy



Original Color

21.6811, 0.2413, 0.3056

Protanomaly

21.3112, 0.2704, 0.3013

Deuteranomaly

21.3581, 0.2669, 0.2892

Tritanomaly

21.6490, 0.2420, 0.3075

Monochromacy



Original Color

21.6811, 0.2413, 0.3056

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.3001, 0.2804, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6811, 0.2413, 0.3056 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(70, 138, 150)` looks like.

```
.text, #text, p{  
    color:rgb(70, 138, 150)  
}
```

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(70, 138, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 138, 150) }
```

Border

The CSS property to change the border of an element to Yxy 21.6811, 0.2413, 0.3056 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(70, 138, 150) }
```

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

```
.border{ border-color:rgb(70, 138, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 138, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 138, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 138, 150);  
box-shadow:4px 4px 4px 4px rgb(70, 138,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6811, 0.2413, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 138, 150) }
```

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

```
.background{ background-color: rgb(70, 138,  
150) }
```

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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