

Converting Colors

$Y_{xy}(24.3877, 0.2451, 0.3092)$

Have a look what the booklet for
Yxy(24.3877, 0.2451, 0.3092)
contains.

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Color

$Y_{xy}(24.2708, 0.2450, 0.3086)$

Conversions

Conversions Part 1

Format	Color
Hex	4E919C
RGB	78, 145, 156
RGB Percent	31%, 57%, 61%
CMY	0.6939, 0.4314, 0.3883
CMYK	0.50, 0.07, 0.00, 0.39
HSL	188°, 33%, 46%
HSV	188°, 50%, 61%
XYZ	19.2688, 24.2708, 35.1085
YIQ	126.2210, -43.4630, -10.7830

Conversions

Conversions Part 2

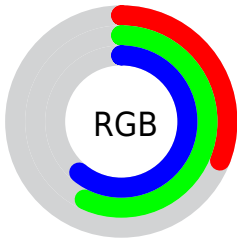
Format	Color
RYB	78, 114, 156
Decimal	5149084
CIELab	56.36, -18.16, -12.39
CIElCh	56, 21.986, 214.302
Yxy	24.2708, 0.2450, 0.3086
Android (android.graphics.Color)	4283339164 (0xFF4E919C)
YUV	126.2210, 14.6810, -42.2898
Hunter-Lab	49.2654, -16.3992, -7.7667

Details

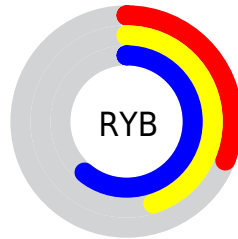
The Yxy color **24.2708, 0.2450, 0.3086** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7640, 0.4389, 0.3474**, and the grayscale version is **20.9070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4055, 0.2590, 0.3141**, and **9.1355, 0.2206, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **23.0240, 0.2350, 0.3038**, and if you desaturate by 10%, it is **25.6887, 0.2566, 0.3132**.

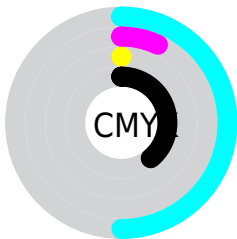
Distribution



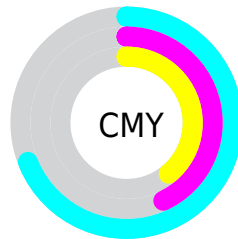
- Red (31%)
- Green (57%)
- Blue (61%)



- Red (31%)
- Yellow (45%)
- Blue (61%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2708, 0.2450, 0.3086 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 24.2708, 0.2450, 0.3086 by changing the saturation by 10% instead.

■ 24.2708, 0.2450,
0.3086

■ 24.2708, 0.2450,
0.3086

■ 274.1867, 0.2817,
0.3207

■ 15.5346, 0.2349,
0.3048

■ 50.4717, 0.2590,
0.3135

■ 9.1954, 0.2212,
0.2994

■ 68.7053, 0.2641,
0.3152

■ 4.8689, 0.2020,
0.2910

■ 90.8734, 0.2683,
0.3166

■ 2.1705, 0.1731,
0.2768

■ 117.3606, 0.2718,
0.3177

■ 0.7039, 0.0827,
0.2580

■ 148.5511, 0.2748,
0.3186

■ 0.0000, 0.0000,
0.0000

184.8293, 0.2774,

0.3194

226.5797, 0.2797,
0.3201

■ 24.2708, 0.2450,
0.3086

■ 24.2708, 0.2450,
0.3086

■ 23.0240, 0.2350,
0.3038

■ 25.6887, 0.2566,
0.3132

■ 21.9343, 0.2267,
0.2990

■ 27.2851, 0.2694,
0.3176

■ 20.9898, 0.2202,
0.2941

■ 29.0702, 0.2832,
0.3217

■ 20.1754, 0.2156,
0.2892


■ 31.0528, 0.2978,
0.3255


■ 19.4551, 0.2123,
0.2844


■ 33.2410, 0.3128,
0.3290

 19.4522, 0.2123,
0.2844

 35.6423, 0.3280,
0.3322

 38.2640, 0.3431,
0.3350

 41.1129, 0.3580,
0.3376

 44.1956, 0.3725,
0.3398

Harmonies

Analogous

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



24.2708, 0.2637, 0.3453



24.2708, 0.2450, 0.3086



24.2708, 0.2432, 0.2809

Triad

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



24.2708, 0.2450, 0.3086



24.2708, 0.3265, 0.2856



24.2708, 0.3675, 0.3929

Complementary

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



24.2708, 0.2450, 0.3086



14.7640, 0.4389, 0.3474

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.



24.2708, 0.3870, 0.3720



24.2708, 0.2450, 0.3086



24.2708, 0.3629, 0.3114

Square

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



24.2708, 0.2450, 0.3086



24.2708, 0.2883, 0.2699



24.2708, 0.3855, 0.3422



24.2708, 0.3339, 0.3967

Rectangle

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



24.2708, 0.2450, 0.3086



24.2708, 0.2516, 0.2704



24.2708, 0.3855, 0.3422



24.2708, 0.3760, 0.3874

Sweetspot

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



24.2717, 0.2450, 0.3086



54.4553, 0.2899, 0.3235



26.1010, 0.2981, 0.4629



11.8300, 0.2871, 0.3228



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.2717, 0.2450, 0.3086



41.5768, 0.2339, 0.3033



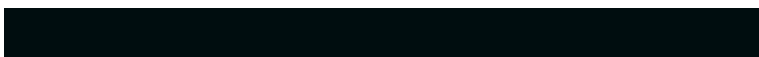
14.4575, 0.2306, 0.2321



7.3501, 0.2988, 0.3258



16.0670, 0.2124, 0.2847



0.3269, 0.2178, 0.3041

Inverse Universe

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



14.5651, 0.3336, 0.2256



22.3896, 0.3395, 0.2064



22.8980, 0.4053, 0.4085



6.7385, 0.3158, 0.3100



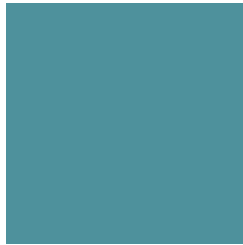
7.2442, 0.3591, 0.1752



0.1335, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 24.2708, 0.2450, 0.3086 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 24.2708, 0.2450, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

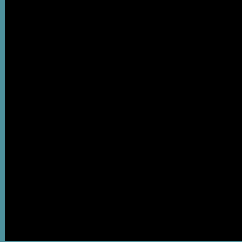
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

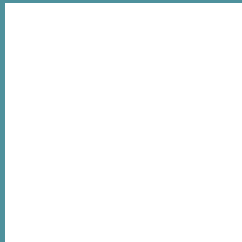
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2708, 0.2450, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 24.2708, 0.2450, 0.3086.

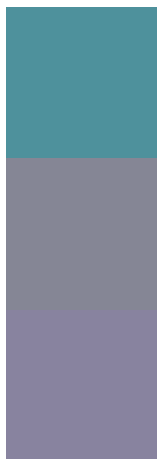


This preview shows how white text looks on a background with the Yxy color 24.2708, 0.2450, 0.3086.

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

24.2708, 0.2450, 0.3086

Protanopia

24.2067, 0.2964, 0.3038

Deuteranopia

23.9700, 0.2898, 0.2832



Tritanopia

24.3048, 0.2443, 0.3068

Trichromacy



Original Color

24.2708, 0.2450, 0.3086

Protanomaly

23.9547, 0.2740, 0.3043

Deuteranomaly

23.7218, 0.2704, 0.2909

Tritanomaly

24.3048, 0.2443, 0.3068

Monochromacy



Original Color

24.2708, 0.2450, 0.3086

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8324, 0.2829, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2708, 0.2450, 0.3086 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(78, 145, 156)` looks like.

```
.text, #text, p{  
    color:rgb(78, 145, 156)  
}
```

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(78, 145, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 145, 156) }
```

Border

The CSS property to change the border of an element to Yxy 24.2708, 0.2450, 0.3086 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(78, 145, 156) }
```

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

```
.border{ border-color:rgb(78, 145, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 145, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 145, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 145, 156); box-shadow:4px 4px 4px 4px rgb(78, 145, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2708, 0.2450, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 145, 156) }
```

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

```
.background{ background-color: rgb(78, 145,  
156) }
```

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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