

Converting Colors

$Y_{xy}(23.9260, 0.2462, 0.3077)$

Have a look what the booklet for
Yxy(23.9260, 0.2462, 0.3077)
contains.

Yxy(24.0185, 0.2466, 0.3085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0185, 0.2466, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	50909B
RGB	80, 144, 155
RGB Percent	31%, 56%, 61%
CMY	0.6862, 0.4353, 0.3921
CMYK	0.48, 0.07, 0.00, 0.39
HSL	189°, 32%, 46%
HSV	189°, 48%, 61%
XYZ	19.1992, 24.0185, 34.6380
YIQ	126.1180, -41.6750, -10.1470

Conversions

Conversions Part 2

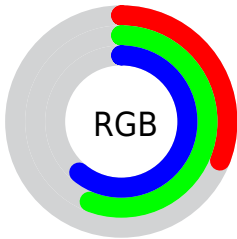
Format	Color
R_{YB}	80, 115, 155
Decimal	5279899
CIE _{Lab}	56.11, -17.43, -12.21
CIE _{LCh}	56, 21.281, 215.007
Yxy	24.0185, 0.2466, 0.3085
Android (android.graphics.Color)	4283469979 (0xFF50909B)
YUV	126.1180, 14.2388, -40.4455
Hunter-Lab	49.0087, -15.8375, -7.5985

Details

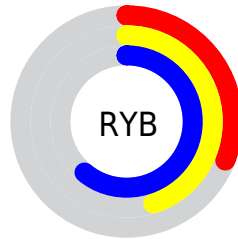
The Yxy color **24.0185, 0.2466, 0.3085** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0354, 0.4326, 0.3476**, and the grayscale version is **20.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0599, 0.2606, 0.3141**, and **8.9876, 0.2227, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **22.7382, 0.2363, 0.3036**, and if you desaturate by 10%, it is **25.4703, 0.2584, 0.3133**.

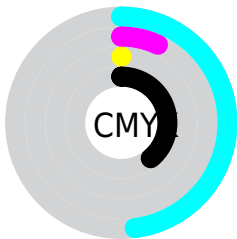
Distribution



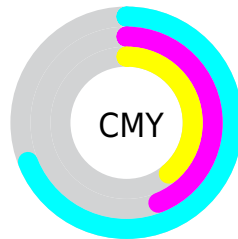
- Red (31%)
- Green (56%)
- Blue (61%)



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



- Cyan (48%)
- Magenta (7%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0185, 0.2466, 0.3085 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 24.0185, 0.2466, 0.3085 by changing the saturation by 10% instead.

■ 24.0185, 0.2466,
0.3085

■ 24.0185, 0.2466,
0.3085

■ 272.9140, 0.2825,
0.3206

■ 15.3473, 0.2366,
0.3047

■ 50.0604, 0.2604,
0.3134

■ 9.0635, 0.2232,
0.2993

■ 68.1999, 0.2653,
0.3151

■ 4.7826, 0.2042,
0.2909

■ 90.2643, 0.2694,
0.3165

■ 2.1203, 0.1756,
0.2767

■ 116.6381, 0.2729,
0.3176

■ 0.6760, 0.0826,
0.2573

■ 147.7055, 0.2758,
0.3185

■ 0.0000, 0.0000,
0.0000

183.8511, 0.2783,

0.3193

225.4591, 0.2806,
0.3200

■ 24.0185, 0.2466,
0.3085

■ 24.0185, 0.2466,
0.3085

■ 22.7382, 0.2363,
0.3036

■ 25.4703, 0.2584,
0.3133

■ 21.6155, 0.2276,
0.2985

■ 27.1006, 0.2715,
0.3178

■ 20.6392, 0.2208,
0.2934

■ 28.9194, 0.2855,
0.3220

■ 19.7948, 0.2158,
0.2883

■ 30.9353, 0.3001,
0.3260

■ 19.0546, 0.2123,
0.2832

■ 33.1561, 0.3152,
0.3296

■ 18.9380, 0.2118,
0.2824

■ 35.5892, 0.3303,
0.3328

■ 38.2417, 0.3454,
0.3357

■ 41.1203, 0.3602,
0.3383

■ 44.2315, 0.3746,
0.3406

Harmonies

Analogous

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



24.0185, 0.2645, 0.3440



24.0185, 0.2466, 0.3085



24.0185, 0.2453, 0.2818

Triad

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



24.0185, 0.2466, 0.3085



24.0185, 0.3271, 0.2873



24.0185, 0.3654, 0.3914

Complementary

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



24.0185, 0.2466, 0.3085



15.0354, 0.4326, 0.3476

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.



24.0185, 0.3846, 0.3715



24.0185, 0.2466, 0.3085



24.0185, 0.3621, 0.3126

Square

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



24.0185, 0.2466, 0.3085



24.0185, 0.2899, 0.2717



24.0185, 0.3837, 0.3427



24.0185, 0.3325, 0.3945

Rectangle

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



24.0185, 0.2466, 0.3085



24.0185, 0.2537, 0.2718



24.0185, 0.3837, 0.3427



24.0185, 0.3737, 0.3863

Sweetspot

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



24.0194, 0.2466, 0.3085



52.8611, 0.2899, 0.3233



25.8903, 0.2985, 0.4578



11.8091, 0.2871, 0.3225



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.



24.0194, 0.2466, 0.3085



40.5558, 0.2355, 0.3032



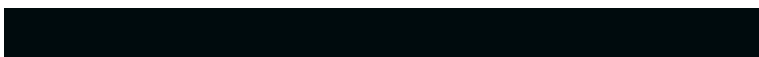
14.6958, 0.2333, 0.2358



6.8720, 0.2989, 0.3257



15.2522, 0.2119, 0.2828



0.2650, 0.2182, 0.3053

Inverse Universe

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



14.7227, 0.3335, 0.2292



22.3887, 0.3393, 0.2104



22.8601, 0.4019, 0.4061



6.3080, 0.3158, 0.3102



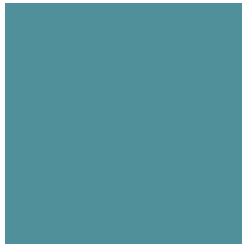
6.9450, 0.3609, 0.1762



0.1076, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 24.0185, 0.2466, 0.3085 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 24.0185, 0.2466, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

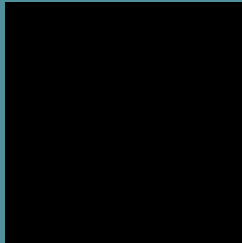
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0185, 0.2466, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 24.0185, 0.2466, 0.3085.



This preview shows how white text looks on a background with the Yxy color 24.0185, 0.2466, 0.3085.

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

24.0185, 0.2466, 0.3085

Protanopia

23.8187, 0.2963, 0.3036

Deuteranopia

23.8521, 0.2897, 0.2846



Tritanopia

24.0523, 0.2459, 0.3067

Trichromacy



Original Color

24.0185, 0.2466, 0.3085

Protanomaly

23.6364, 0.2747, 0.3042

Deuteranomaly

23.6875, 0.2712, 0.2926

Tritanomaly

24.0523, 0.2459, 0.3067

Monochromacy



Original Color

24.0185, 0.2466, 0.3085

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 24.0185, 0.2466, 0.3085 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(80, 144, 155)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 155)  
}
```

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(80, 144, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 155) }
```

Border

The CSS property to change the border of an element to Yxy 24.0185, 0.2466, 0.3085 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(80, 144, 155) }
```

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

```
.border{ border-color:rgb(80, 144, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 155);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0185, 0.2466, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 155) }
```

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

```
.background{ background-color: rgb(80, 144,  
155) }
```

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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