

Converting Colors

$Y_{xy}(24.1967, 0.2506, 0.3199)$

Have a look what the booklet for
Yxy(24.1967, 0.2506, 0.3199)
contains.

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Color

Yxy(24.1583, 0.2505, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	509196
RGB	80, 145, 150
RGB Percent	31%, 57%, 59%
CMY	0.6861, 0.4314, 0.4118
CMYK	0.47, 0.03, 0.00, 0.41
HSL	184°, 30%, 45%
HSV	184°, 47%, 59%
XYZ	18.9410, 24.1583, 32.5135
YIQ	126.1350, -40.3450, -12.2250

Conversions

Conversions Part 2

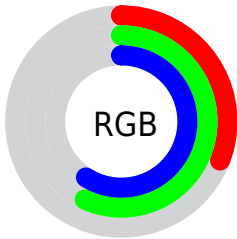
Format	Color
RYB	80, 114, 150
Decimal	5280150
CIELab	56.25, -19.35, -9.12
CIELCh	56, 21.394, 205.224
Yxy	24.1583, 0.2505, 0.3195
Android (android.graphics.Color)	4283470230 (0xFF509196)
YUV	126.1350, 11.7654, -40.4604
Hunter-Lab	49.1511, -17.2271, -4.8147

Details

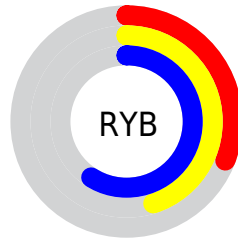
The Yxy color **24.1583, 0.2505, 0.3195** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.5669, 0.4303, 0.3379**, and the grayscale version is **20.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2748, 0.2637, 0.3221**, and **9.0768, 0.2281, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **23.2515, 0.2408, 0.3172**, and if you desaturate by 10%, it is **25.2158, 0.2618, 0.3218**.

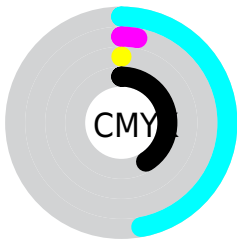
Distribution



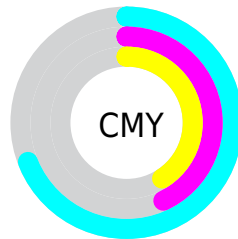
- Red (31%)
- Green (57%)
- Blue (59%)



- Red (31%)
- Yellow (45%)
- Blue (59%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (41%)



- Cyan (69%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1583, 0.2505, 0.3195 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 24.1583, 0.2505, 0.3195 by changing the saturation by 10% instead.

■ 24.1583, 0.2505,
0.3195

■ 24.1583, 0.2505,
0.3195

■ 273.6198, 0.2844,
0.3255

■ 15.4511, 0.2410,
0.3175

■ 50.2884, 0.2635,
0.3220

■ 9.1366, 0.2283,
0.3145

■ 68.4801, 0.2682,
0.3229

■ 4.8304, 0.2101,
0.3096

■ 90.6020, 0.2721,
0.3235

■ 2.1481, 0.1824,
0.3009

■ 117.0387, 0.2753,
0.3241

■ 0.6915, 0.0792,
0.2965

■ 148.1744, 0.2781,
0.3245

■ 0.0000, 0.0000,
0.0000

184.3935, 0.2805,

0.3249

226.0805, 0.2825,
0.3252

■ 24.1583, 0.2505,
0.3195

■ 24.1583, 0.2505,
0.3195

■ 23.2515, 0.2408,
0.3172

■ 25.2158, 0.2618,
0.3218

■ 22.4828, 0.2328,
0.3148

■ 26.4302, 0.2745,
0.3239

■ 21.8421, 0.2266,
0.3124

■ 27.8106, 0.2882,
0.3259

■ 21.3167, 0.2222,
0.3101

■ 29.3645, 0.3028,
0.3278

■ 20.8866, 0.2194,
0.3077

■ 31.0992, 0.3178,
0.3296

■ 20.7490, 0.2186,
0.3069

■ 33.0214, 0.3332,
0.3311

■ 35.1375, 0.3486,
0.3326

■ 37.4536, 0.3638,
0.3338

■ 39.9754, 0.3787,
0.3349

Harmonies

Analogous

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



24.1583, 0.2733, 0.3557



24.1583, 0.2505, 0.3195



24.1583, 0.2436, 0.2890

Triad

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



24.1583, 0.2505, 0.3195



24.1583, 0.3146, 0.2808



24.1583, 0.3738, 0.3866

Complementary

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



24.1583, 0.2505, 0.3195



13.5669, 0.4303, 0.3379

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.



24.1583, 0.3869, 0.3628



24.1583, 0.2505, 0.3195



24.1583, 0.3518, 0.3034

Square

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



24.1583, 0.2505, 0.3195



24.1583, 0.2789, 0.2691



24.1583, 0.3789, 0.3327



24.1583, 0.3443, 0.3960

Rectangle

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



24.1583, 0.2505, 0.3195



24.1583, 0.2485, 0.2757



24.1583, 0.3789, 0.3327



24.1583, 0.3803, 0.3798

Sweetspot

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



24.1592, 0.2505, 0.3195



49.7048, 0.2916, 0.3264



24.1681, 0.3025, 0.4614



10.9008, 0.2888, 0.3260



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.



24.1592, 0.2505, 0.3195



40.9707, 0.2403, 0.3171



15.1388, 0.2382, 0.2499



6.4921, 0.2990, 0.3274



17.2312, 0.2186, 0.3071



0.2280, 0.2219, 0.3188

Inverse Universe

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



14.2723, 0.3248, 0.2255



21.5303, 0.3280, 0.2056



20.4197, 0.4014, 0.3959



5.9021, 0.3147, 0.3087



6.9329, 0.3392, 0.1642



0.0866, 0.3293, 0.1587

Previews

White Background



This preview shows how the Yxy color 24.1583, 0.2505, 0.3195 looks on a white background.

Color Contrast Check

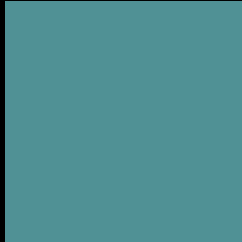
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1583, 0.2505, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

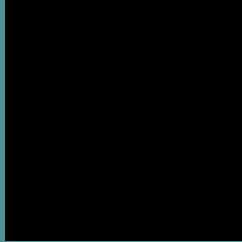
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1583, 0.2505, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 24.1583, 0.2505, 0.3195.

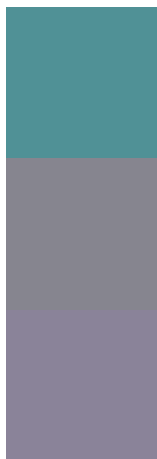


This preview shows how white text looks on a background with the Yxy color 24.1583, 0.2505, 0.3195.

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

24.1583, 0.2505, 0.3195

Protanopia

23.8266, 0.3035, 0.3120

Deuteranopia

23.9358, 0.2978, 0.2928



Tritanopia

24.1407, 0.2472, 0.3068

Trichromacy



Original Color

24.1583, 0.2505, 0.3195

Protanomaly

23.5441, 0.2801, 0.3129

Deuteranomaly

23.6572, 0.2775, 0.3010

Tritanomaly

24.0289, 0.2480, 0.3103

Monochromacy



Original Color

24.1583, 0.2505, 0.3195

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.7755, 0.2847, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1583, 0.2505, 0.3195 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, 145, 150)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 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(80, 145, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 150) }
```

Border

The CSS property to change the border of an element to Yxy 24.1583, 0.2505, 0.3195 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, 145, 150) }
```

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

```
.border{ border-color:rgb(80, 145, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 150);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1583, 0.2505, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 150) }
```

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

```
.background{ background-color: rgb(80, 145,  
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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