

Converting Colors

$Yxy(24.3594, 0.2230, 0.3061)$

Have a look what the booklet for
Yxy(24.3594, 0.2230, 0.3061)
contains.

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Color

Yxy(24.3594, 0.2230, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	1F95A1
RGB	31, 149, 161
RGB Percent	12%, 58%, 63%
CMY	0.8780, 0.4157, 0.3687
CMYK	0.81, 0.07, 0.00, 0.37
HSL	186°, 68%, 38%
HSV	186°, 81%, 63%
XYZ	17.7463, 24.3594, 37.4742
YIQ	115.0860, -74.1800, -21.2840

Conversions

Conversions Part 2

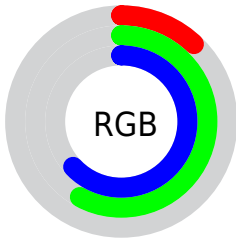
Format	Color
R_{YB}	31, 93, 161
Decimal	2069921
CIE _{Lab}	56.45, -26.49, -15.25
CIE _{LCh}	56, 30.567, 209.932
Yxy	24.3594, 0.2230, 0.3061
Android (android.graphics.Color)	4280260001 (0xFF1F95A1)
YUV	115.0860, 22.6356, -73.7434
Hunter-Lab	49.3552, -22.1897, -10.4687

Details

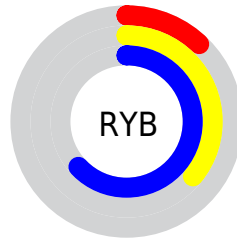
The Yxy color **24.3594, 0.2230, 0.3061** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4091, 0.5748, 0.3421**, and the grayscale version is **17.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3791, 0.2408, 0.3109**, and **9.8395, 0.2163, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **23.7020, 0.2191, 0.3030**, and if you desaturate by 10%, it is **25.1495, 0.2287, 0.3092**.

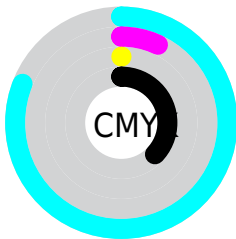
Distribution



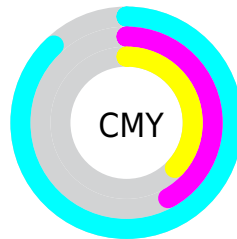
- Red (12%)
- Green (58%)
- Blue (63%)



- Red (12%)
- Yellow (36%)
- Blue (63%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (37%)



- Cyan (88%)
- Magenta (42%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3594, 0.2230, 0.3061 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 24.3594, 0.2230, 0.3061 by changing the saturation by 10% instead.


 24.3594, 0.2230,
0.3061


 24.3594, 0.2230,
0.3061


 274.6325, 0.2711,
0.3202


 15.6004, 0.2100,
0.3015


 50.6161, 0.2412,
0.3120


 9.2419, 0.1928,
0.2948


 68.8825, 0.2478,
0.3139

 4.8993, 0.1691,
0.2844

 91.0870, 0.2533,
0.3155

 2.1883, 0.1350,
0.2666

 117.6138, 0.2580,
0.3168

 0.7136, 0.0110,
0.2476

 148.8473, 0.2620,
0.3179

 0.0000, 0.0000,
0.0000

 185.1721, 0.2654,

0.3188

226.9723, 0.2684,
0.3195

■ 24.3594, 0.2230,
0.3061

■ 24.3594, 0.2230,
0.3061

■ 23.7020, 0.2191,
0.3030

■ 25.1495, 0.2287,
0.3092

■ 23.1700, 0.2167,
0.3001

■ 26.0860, 0.2362,
0.3124

■ 27.1838, 0.2455,
0.3154

■ 28.4551, 0.2564,
0.3184

■ 29.9109, 0.2688,
0.3213

■ 31.5614, 0.2823,
0.3240

■ 33.4159, 0.2967,
0.3265

■ 35.4831, 0.3117,
0.3289

■ 37.7713, 0.3270,
0.3310

Harmonies

Analogous

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



24.3594, 0.2505, 0.3590



24.3594, 0.2230, 0.3061



24.3594, 0.2177, 0.2663

Triad

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



24.3594, 0.2230, 0.3061



24.3594, 0.3232, 0.2664



24.3594, 0.3929, 0.4132

Complementary

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



24.3594, 0.2230, 0.3061



9.4091, 0.5748, 0.3421

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.



24.3594, 0.4171, 0.3802



24.3594, 0.2230, 0.3061



24.3594, 0.3757, 0.2987

Square

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



24.3594, 0.2230, 0.3061



24.3594, 0.2717, 0.2478



24.3594, 0.4113, 0.3390



24.3594, 0.3480, 0.4254

Rectangle

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



24.3594, 0.2230, 0.3061



24.3594, 0.2266, 0.2510



24.3594, 0.4113, 0.3390



24.3594, 0.4039, 0.4038

Sweetspot

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



24.3603, 0.2230, 0.3061



55.3807, 0.2771, 0.3230



25.9420, 0.2975, 0.5623



11.9300, 0.2726, 0.3221



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.3603, 0.2230, 0.3061



41.6453, 0.2172, 0.3005



9.3982, 0.1879, 0.1720



7.8990, 0.2988, 0.3269



18.5421, 0.2168, 0.3004



0.4198, 0.2199, 0.3116

Inverse Universe

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



10.7308, 0.3392, 0.1766



17.4409, 0.3449, 0.1684



18.1626, 0.4795, 0.4315



7.1909, 0.3151, 0.3088



7.7160, 0.3451, 0.1675



0.1652, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 24.3594, 0.2230, 0.3061 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 24.3594, 0.2230, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

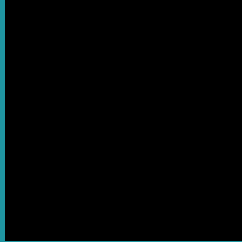
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3594, 0.2230, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 24.3594, 0.2230, 0.3061.

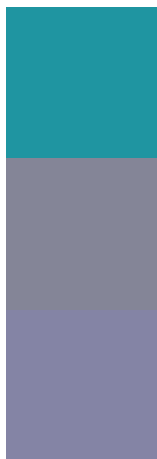


This preview shows how white text looks on a background with the Yxy color 24.3594, 0.2230, 0.3061.

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

24.3594, 0.2230, 0.3061

Protanopia

23.9150, 0.2934, 0.2987

Deuteranopia

24.1247, 0.2802, 0.2753



Tritanopia

24.3594, 0.2230, 0.3061

Trichromacy



Original Color

24.3594, 0.2230, 0.3061

Protanomaly

23.2647, 0.2561, 0.2999

Deuteranomaly

23.2902, 0.2491, 0.2829

Tritanomaly

24.3594, 0.2230, 0.3061

Monochromacy



Original Color

24.3594, 0.2230, 0.3061

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.7295, 0.2622, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3594, 0.2230, 0.3061 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(31, 149, 161)` looks like.

```
.text, #text, p{  
    color:rgb(31, 149, 161)  
}
```

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(31, 149, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 149, 161) }
```

Border

The CSS property to change the border of an element to Yxy 24.3594, 0.2230, 0.3061 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(31, 149, 161) }
```

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

```
.border{ border-color:rgb(31, 149, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 149, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 149, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 149, 161);  
box-shadow:4px 4px 4px 4px rgb(31, 149,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3594, 0.2230, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 149, 161) }
```

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

```
.background{ background-color: rgb(31, 149,  
161) }
```

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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