

Converting Colors

$Y_{xy}(23.4962, 0.2321, 0.3210)$

Have a look what the booklet for
Yxy(23.4962, 0.2321, 0.3210)
contains.

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Color

$Y_{xy}(23.6597, 0.2320, 0.3210)$

Conversions

Conversions Part 1

Format	Color
Hex	2D9397
RGB	45, 147, 151
RGB Percent	18%, 58%, 59%
CMY	0.8238, 0.4235, 0.4078
CMYK	0.70, 0.03, 0.00, 0.41
HSL	182°, 54%, 38%
HSV	182°, 70%, 59%
XYZ	17.0998, 23.6597, 32.9467
YIQ	116.9580, -62.0760, -20.3800

Conversions

Conversions Part 2

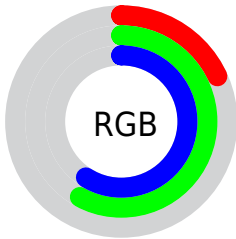
Format	Color
RYB	45, 97, 151
Decimal	2986903
CIELab	55.75, -26.98, -10.57
CIELCh	56, 28.981, 201.393
Yxy	23.6597, 0.2320, 0.3210
Android (android.graphics.Color)	4281176983 (0xFF2D9397)
YUV	116.9580, 16.7827, -63.1072
Hunter-Lab	48.6412, -22.3704, -6.1107

Details

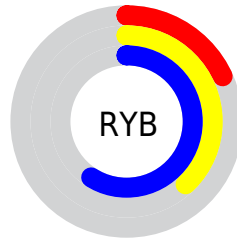
The Yxy color **23.6597, 0.2320, 0.3210** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9600, 0.5359, 0.3351**, and the grayscale version is **17.7317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3069, 0.2489, 0.3232**, and **9.2858, 0.2214, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **23.2010, 0.2269, 0.3198**, and if you desaturate by 10%, it is **24.2435, 0.2389, 0.3222**.

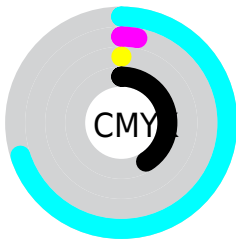
Distribution



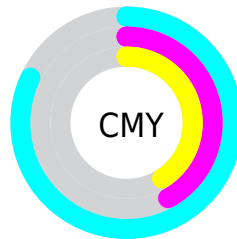
- Red (18%)
- Green (58%)
- Blue (59%)



- Red (18%)
- Yellow (38%)
- Blue (59%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (41%)




- Cyan (82%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6597, 0.2320, 0.3210 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 23.6597, 0.2320, 0.3210 by changing the saturation by 10% instead.


 23.6597, 0.2320,
0.3210


 23.6597, 0.2320,
0.3210


271.0955, 0.2758,
0.3266


 15.0814, 0.2199,
0.3189


 49.4743, 0.2488,
0.3235


 8.8765, 0.2037,
0.3155


 67.4794, 0.2548,
0.3243


 4.6607, 0.1809,
0.3100

 89.3955, 0.2598,
0.3249

 2.0496, 0.1472,
0.2993

 115.6070, 0.2640,
0.3254

 0.6361, 0.0000,
0.2962

 146.4984, 0.2676,
0.3258

 0.0000, 0.0000,
0.0000

182.4540, 0.2707,

0.3261

223.8583, 0.2734,
0.3264

■ 23.6597, 0.2320,
0.3210

■ 23.6597, 0.2320,
0.3210

■ 23.2010, 0.2269,
0.3198

■ 24.2435, 0.2389,
0.3222

■ 22.8510, 0.2236,
0.3185

■ 24.9616, 0.2477,
0.3235

■ 22.5810, 0.2215,
0.3174

■ 25.8251, 0.2581,
0.3247

■ 26.8435, 0.2700,
0.3259

■ 28.0254, 0.2832,
0.3270

■ 29.3786, 0.2974,
0.3280

■ 30.9106, 0.3123,
0.3290

■ 32.6285, 0.3277,
0.3299

■ 34.5387, 0.3433,
0.3307

Harmonies

Analogous

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



23.6597, 0.2641, 0.3720



23.6597, 0.2320, 0.3210



23.6597, 0.2206, 0.2781

Triad

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



23.6597, 0.2320, 0.3210



23.6597, 0.3080, 0.2622



23.6597, 0.3988, 0.4024

Complementary

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



23.6597, 0.2320, 0.3210



8.9600, 0.5359, 0.3351

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.



23.6597, 0.4143, 0.3675



23.6597, 0.2320, 0.3210



23.6597, 0.3597, 0.2901

Square

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



23.6597, 0.2320, 0.3210



23.6597, 0.2616, 0.2488



23.6597, 0.3999, 0.3274



23.6597, 0.3603, 0.4208

Rectangle

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



23.6597, 0.2320, 0.3210



23.6597, 0.2251, 0.2594



23.6597, 0.3999, 0.3274



23.6597, 0.4070, 0.3920

Sweetspot

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



23.6606, 0.2320, 0.3210



49.9199, 0.2816, 0.3268



22.9094, 0.3007, 0.5429



11.2203, 0.2782, 0.3266



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.6606, 0.2320, 0.3210



41.1821, 0.2249, 0.3191



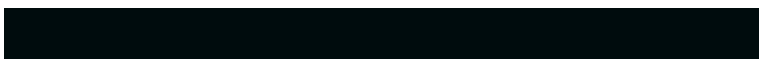
10.8738, 0.2043, 0.2075



6.9866, 0.2989, 0.3281



19.2176, 0.2215, 0.3174



0.2979, 0.2230, 0.3229

Inverse Universe

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



10.5585, 0.3261, 0.1815



16.5079, 0.3285, 0.1660



16.1749, 0.4628, 0.4172



6.3196, 0.3143, 0.3079



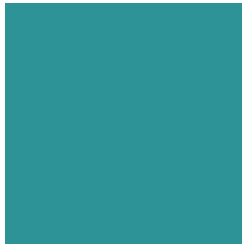
7.3453, 0.3304, 0.1594



0.1109, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 23.6597, 0.2320, 0.3210 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 23.6597, 0.2320, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

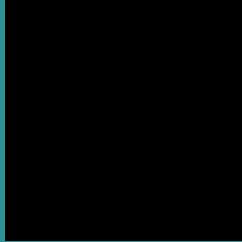
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6597, 0.2320, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 23.6597, 0.2320, 0.3210.



This preview shows how white text looks on a background with the Yxy color 23.6597, 0.2320, 0.3210.

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

23.6597, 0.2320, 0.3210

Protanopia

23.3611, 0.3023, 0.3118

Deuteranopia

23.4827, 0.2926, 0.2876



Tritanopia

23.6794, 0.2290, 0.3060

Trichromacy



Original Color

23.6597, 0.2320, 0.3210

Protanomaly

22.6450, 0.2679, 0.3141

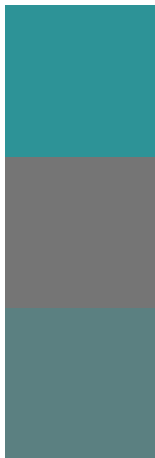
Deuteranomaly

22.7662, 0.2620, 0.2965

Tritanomaly

23.5527, 0.2303, 0.3115

Monochromacy



Original Color

23.6597, 0.2320, 0.3210

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2475, 0.2717, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6597, 0.2320, 0.3210 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(45, 147, 151)` looks like.

```
.text, #text, p{  
    color:rgb(45, 147, 151)  
}
```

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(45, 147, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 147, 151) }
```

Border

The CSS property to change the border of an element to Yxy 23.6597, 0.2320, 0.3210 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(45, 147, 151) }
```

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

```
.border{ border-color:rgb(45, 147, 151) }
```

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

Here you see how a box with a 4 pixel rgb(45, 147, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 147, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 147, 151);  
box-shadow:4px 4px 4px 4px rgb(45, 147,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6597, 0.2320, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 147, 151) }
```

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

```
.background{ background-color: rgb(45, 147,  
151) }
```

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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