

Converting Colors

$Y_{xy}(23.4978, 0.2265, 0.2989)$

Have a look what the booklet for
Yxy(23.4978, 0.2265, 0.2989)
contains.

Yxy(23.4524, 0.2264, 0.2986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(23.4524, 0.2264, 0.2986)$

Conversions

Conversions Part 1

Format	Color
Hex	3091A1
RGB	48, 145, 161
RGB Percent	19%, 57%, 63%
CMY	0.8112, 0.4314, 0.3686
CMYK	0.70, 0.10, 0.00, 0.37
HSL	189°, 54%, 41%
HSV	189°, 70%, 63%
XYZ	17.7817, 23.4524, 37.3071
YIQ	117.8210, -62.9480, -15.5880

Conversions

Conversions Part 2

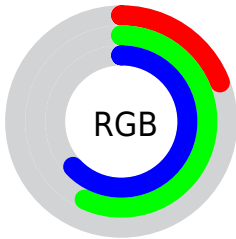
Format	Color
R_{YB}	48, 100, 161
Decimal	3183009
CIE _{Lab}	55.54, -22.38, -16.61
CIE _{LCh}	56, 27.869, 216.594
Yxy	23.4524, 0.2264, 0.2986
Android (android.graphics.Color)	4281373089 (0xFF3091A1)
YUV	117.8210, 21.2872, -61.2330
Hunter-Lab	48.4277, -19.2066, -11.7757

Details

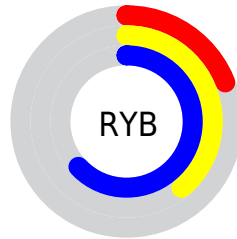
The Yxy color **23.4524, 0.2264, 0.2986** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4744, 0.5226, 0.3512**, and the grayscale version is **18.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1197, 0.2442, 0.3056**, and **9.1095, 0.2131, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **22.4384, 0.2200, 0.2937**, and if you desaturate by 10%, it is **24.6243, 0.2347, 0.3035**.

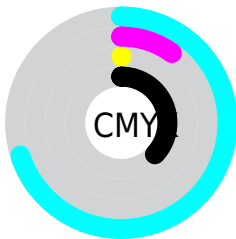
Distribution



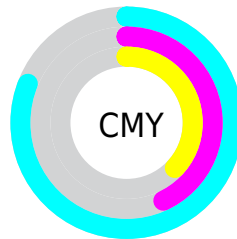
- Red (19%)
- Green (57%)
- Blue (63%)



- Red (19%)
- Yellow (39%)
- Blue (63%)



- Cyan (70%)
- Magenta (10%)
- Yellow (0%)
- Black (37%)





- Cyan (81%)
- Magenta (43%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4524, 0.2264, 0.2986 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 23.4524, 0.2264, 0.2986 by changing the saturation by 10% instead.


 23.4524, 0.2264,
0.2986


 23.4524, 0.2264,
0.2986


270.0402, 0.2729,
0.3167


 14.9279, 0.2137,
0.2929


 49.1351, 0.2441,
0.3060


 8.7688, 0.1968,
0.2847


 67.0621, 0.2505,
0.3085


 4.5907, 0.1734,
0.2723

 88.8921, 0.2559,
0.3106

 2.0092, 0.1393,
0.2514

 115.0094, 0.2603,
0.3122

 0.6128, 0.0131,
0.2219

 145.7985, 0.2642,
0.3136

 0.0000, 0.0000,
0.0000

181.6437, 0.2675,

0.3148

222.9295, 0.2704,
0.3158

■ 23.4524, 0.2264,
0.2986

■ 23.4524, 0.2264,
0.2986

■ 22.4384, 0.2200,
0.2937

■ 24.6243, 0.2347,
0.3035

■ 21.5635, 0.2154,
0.2887

■ 25.9655, 0.2447,
0.3083

■ 20.7976, 0.2122,
0.2839

■ 27.4890, 0.2562,
0.3130

■ 29.2059, 0.2691,
0.3174

■ 31.1262, 0.2829,
0.3216

■ 33.2595, 0.2975,
0.3254

■ 35.6144, 0.3126,
0.3290

■ 38.1992, 0.3278,
0.3322

■ 41.0217, 0.3429,
0.3351

Harmonies

Analogous

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



23.4524, 0.2478, 0.3457



23.4524, 0.2264, 0.2986



23.4524, 0.2260, 0.2654

Triad

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



23.4524, 0.2264, 0.2986



23.4524, 0.3338, 0.2765



23.4524, 0.3792, 0.4117

Complementary

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



23.4524, 0.2264, 0.2986



11.4744, 0.5226, 0.3512

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.



23.4524, 0.4066, 0.3848



23.4524, 0.2264, 0.2986



23.4524, 0.3801, 0.3090

Square

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



23.4524, 0.2264, 0.2986



23.4524, 0.2847, 0.2559



23.4524, 0.4075, 0.3474



23.4524, 0.3351, 0.4163

Rectangle

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



23.4524, 0.2264, 0.2986



23.4524, 0.2374, 0.2538



23.4524, 0.4075, 0.3474



23.4524, 0.3908, 0.4046

Sweetspot

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



23.4533, 0.2264, 0.2986



55.2796, 0.2811, 0.3210



26.4821, 0.2950, 0.5253



11.9248, 0.2775, 0.3200



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.



23.4533, 0.2264, 0.2986



39.2989, 0.2172, 0.2910



10.4362, 0.1983, 0.1836



7.8392, 0.2988, 0.3257



16.6555, 0.2123, 0.2843



0.3939, 0.2172, 0.3020

Inverse Universe

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



11.7460, 0.3446, 0.1939



18.1517, 0.3527, 0.1801



21.1322, 0.4491, 0.4333



7.1848, 0.3158, 0.3099



7.5255, 0.3595, 0.1754



0.1626, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 23.4524, 0.2264, 0.2986 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 23.4524, 0.2264, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

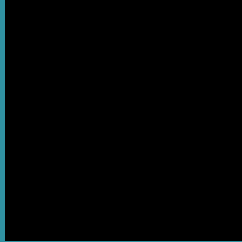
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4524, 0.2264, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 23.4524, 0.2264, 0.2986.

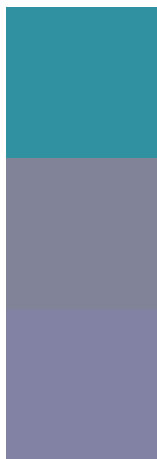


This preview shows how white text looks on a background with the Yxy color 23.4524, 0.2264, 0.2986.

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

23.4524, 0.2264, 0.2986

Protanopia

23.1667, 0.2892, 0.2933

Deuteranopia

23.3127, 0.2779, 0.2729



Tritanopia

23.5729, 0.2284, 0.3078

Trichromacy



Original Color

23.4524, 0.2264, 0.2986

Protanomaly

22.6842, 0.2594, 0.2946

Deuteranomaly

22.6816, 0.2530, 0.2795

Tritanomaly

23.6307, 0.2282, 0.3060

Monochromacy



Original Color

23.4524, 0.2264, 0.2986

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.4867, 0.2690, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4524, 0.2264, 0.2986 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(48, 145, 161)` looks like.

```
.text, #text, p{  
  color:rgb(48, 145, 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(48, 145, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 145, 161) }
```

Border

The CSS property to change the border of an element to Yxy 23.4524, 0.2264, 0.2986 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(48, 145, 161) }
```

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

```
.border{ border-color:rgb(48, 145, 161) }
```

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

Here you see how a box with a 4 pixel rgb(48, 145, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 145, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 145, 161);  
box-shadow:4px 4px 4px 4px rgb(48, 145,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4524, 0.2264, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 145, 161) }
```

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

```
.background{ background-color: rgb(48, 145,  
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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