

Converting Colors

$Y_{xy}(23.5572, 0.2991, 0.4124)$

Have a look what the booklet for
Yxy(23.5572, 0.2991, 0.4124)
contains.

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Color

Yxy(23.5572, 0.2991, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	5D9167
RGB	93, 145, 103
RGB Percent	36%, 57%, 40%
CMY	0.6354, 0.4313, 0.5961
CMYK	0.36, 0.00, 0.29, 0.43
HSL	132°, 22%, 47%
HSV	132°, 36%, 57%
XYZ	17.0853, 23.5572, 16.4798
YIQ	124.6640, -17.5100, -24.0860

Conversions

Conversions Part 2

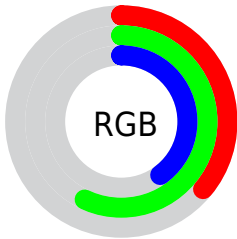
Format	Color
R_{YB}	93, 137, 145
Decimal	6132071
CIE _{Lab}	55.64, -26.62, 16.94
CIE _{LCh}	56, 31.548, 147.533
Yxy	23.5572, 0.2991, 0.4124
Android (android.graphics.Color)	4284322151 (0xFF5D9167)
YUV	124.6640, -10.6804, -27.7693
Hunter-Lab	48.5358, -22.1031, 13.8438

Details

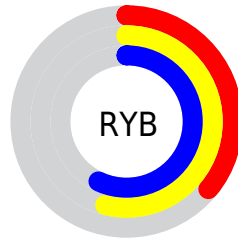
The Yxy color $23.5572, 0.2991, 0.4124$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.5914, 0.3304, 0.2581$, and the grayscale version is $20.4284, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1997, 0.3030, 0.3930$, and $8.8045, 0.2906, 0.4479$ is the 20% darker color. If you saturate the color by 10%, you get $22.6534, 0.2959, 0.4407$, and if you desaturate by 10%, it is $24.6393, 0.3027, 0.3860$.

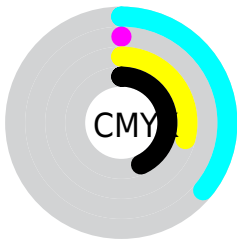
Distribution



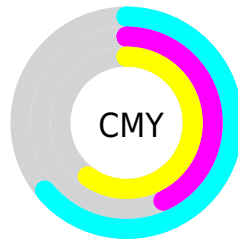
- Red (36%)
- Green (57%)
- Blue (40%)



- Red (36%)
- Yellow (54%)
- Blue (57%)



- Cyan (36%)
- Magenta (0%)
- Yellow (29%)
- Black (43%)





- Cyan (64%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5572, 0.2991, 0.4124 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 23.5572, 0.2991, 0.4124 by changing the saturation by 10% instead.


 23.5572, 0.2991,
0.4124


 23.5572, 0.2991,
0.4124


270.5741, 0.3078,
0.3639


 15.0055, 0.2960,
0.4275


 49.3066, 0.3028,
0.3928


 8.8232, 0.2913,
0.4491


 67.2732, 0.3040,
0.3861

 4.6261, 0.2833,
0.4824

 89.1467, 0.3050,
0.3806

 2.0296, 0.2691,
0.5431

 115.3117, 0.3058,
0.3761

 0.6246, 0.0000,
1.0000

146.1526, 0.3064,
0.3723

 0.0000, 0.0000,
0.0000

182.0537, 0.3069,

0.3691

223.3994, 0.3074,
0.3663

■ 23.5572, 0.2991,
0.4124

■ 23.5572, 0.2991,
0.4124

■ 22.6534, 0.2959,
0.4407

■ 24.6393, 0.3027,
0.3860

■ 21.9155, 0.2933,
0.4702

■ 25.9056, 0.3066,
0.3620

■ 21.3341, 0.2917,
0.4996


■ 27.3653, 0.3105,
0.3405

■ 20.8975, 0.2911,
0.5274

■ 29.0259, 0.3143,
0.3215


■ 20.5926, 0.2918,
0.5519


■ 30.8949, 0.3179,
0.3049

 20.4005, 0.2935,
0.5717

 32.9790, 0.3214,
0.2904

 20.3372, 0.2940,
0.5786

 35.2849, 0.3247,
0.2778

 37.8190, 0.3277,
0.2669

 40.5871, 0.3306,
0.2574

Harmonies

Analogous

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



23.5572, 0.3534, 0.4299



23.5572, 0.2991, 0.4124



23.5572, 0.2510, 0.3648

Triad

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



23.5572, 0.2991, 0.4124



23.5572, 0.2293, 0.2444



23.5572, 0.4138, 0.3356

Complementary

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



23.5572, 0.2991, 0.4124



15.5914, 0.3304, 0.2581

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.



23.5572, 0.3745, 0.2943



23.5572, 0.2991, 0.4124



23.5572, 0.2662, 0.2439

Square

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



23.5572, 0.2991, 0.4124



23.5572, 0.2136, 0.2661



23.5572, 0.3189, 0.2619



23.5572, 0.4224, 0.3786

Rectangle

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



23.5572, 0.2991, 0.4124



23.5572, 0.2285, 0.3269



23.5572, 0.3189, 0.2619



23.5572, 0.4036, 0.3213

Sweetspot

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



23.5582, 0.2991, 0.4124



47.5614, 0.3084, 0.3516



26.2329, 0.3539, 0.4188



10.5126, 0.3079, 0.3542



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.5582, 0.2991, 0.4124



40.8623, 0.2965, 0.4350



24.1512, 0.2771, 0.3604



6.0453, 0.3092, 0.3472



17.4448, 0.2938, 0.5777



0.1693, 0.2756, 0.5120

Inverse Universe

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



15.5914, 0.3304, 0.2581



24.4317, 0.3354, 0.2426



14.9568, 0.3686, 0.3001



5.4934, 0.3165, 0.3114



6.2691, 0.3751, 0.1840



0.0629, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 23.5572, 0.2991, 0.4124 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 23.5572, 0.2991, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

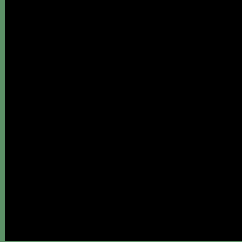
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5572, 0.2991, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 23.5572, 0.2991, 0.4124.



This preview shows how white text looks on a background with the Yxy color 23.5572, 0.2991, 0.4124.

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

23.5572, 0.2991, 0.4124

Protanopia

23.4778, 0.3643, 0.3910

Deuteranopia

23.1103, 0.3694, 0.3622



Tritanopia

23.4920, 0.2659, 0.3090

Trichromacy



Original Color

23.5572, 0.2991, 0.4124

Protanomaly

23.1521, 0.3386, 0.3989

Deuteranomaly

22.9963, 0.3405, 0.3793

Tritanomaly

23.3959, 0.2780, 0.3440

Monochromacy



Original Color

23.5572, 0.2991, 0.4124

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2976, 0.3069, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5572, 0.2991, 0.4124 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(93, 145, 103)` looks like.

```
.text, #text, p{  
    color:rgb(93, 145, 103)  
}
```

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(93, 145, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 145, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.5572, 0.2991, 0.4124 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(93, 145, 103) }
```

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

```
.border{ border-color:rgb(93, 145, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 145, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 145, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 145, 103);  
box-shadow:4px 4px 4px 4px rgb(93, 145,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5572, 0.2991, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 145, 103) }
```

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

```
.background{ background-color: rgb(93, 145,  
103) }
```

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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