

Converting Colors

$Y_{xy}(23.1971, 0.2338, 0.2899)$

Have a look what the booklet for
Yxy(23.1971, 0.2338, 0.2899)
contains.

Yxy(23.2556, 0.2338, 0.2902)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(23.2556, 0.2338, 0.2902)$

Conversions

Conversions Part 1

Format	Color
Hex	458EA3
RGB	69, 142, 163
RGB Percent	27%, 56%, 64%
CMY	0.7295, 0.4431, 0.3608
CMYK	0.58, 0.13, 0.00, 0.36
HSL	193°, 41%, 45%
HSV	193°, 58%, 64%
XYZ	18.7359, 23.2556, 38.1450
YIQ	122.5670, -50.2490, -8.9450

Conversions

Conversions Part 2

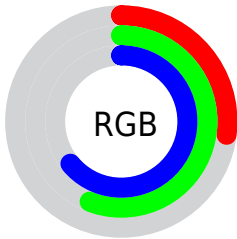
Format	Color
R _Y B	69, 110, 163
Decimal	4558499
CIE Lab	55.33, -16.48, -18.00
CIE LCh	55, 24.407, 227.516
Yxy	23.2556, 0.2338, 0.2902
Android (android.graphics.Color)	4282748579 (0xFF458EA3)
YUV	122.5670, 19.9335, -46.9783
Hunter-Lab	48.2241, -15.0417, -13.1412

Details


The Yxy color **23.2556, 0.2338, 0.2902** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.5204, 0.4619, 0.3616**, and the grayscale version is **19.6019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9018, 0.2501, 0.2993**, and **8.8020, 0.2100, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **21.6753, 0.2240, 0.2822**, and if you desaturate by 10%, it is **25.0366, 0.2452, 0.2979**.

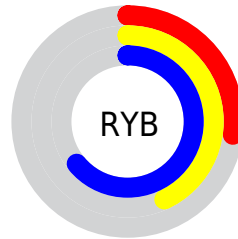
Distribution



 Red (27%)

 Green (56%)

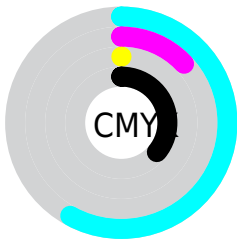
 Blue (64%)




 Red (27%)

 Yellow (43%)

 Blue (64%)

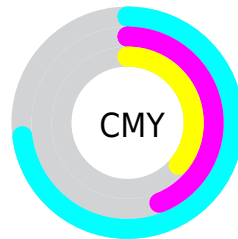


 Cyan (58%)


 Magenta (13%)

 Yellow (0%)

 Black (36%)



 Cyan (73%)

 Magenta (44%)

 Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2556, 0.2338, 0.2902 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 23.2556, 0.2338, 0.2902 by changing the saturation by 10% instead.

■ 23.2556, 0.2338,
0.2902

■ 23.2556, 0.2338,
0.2902

■ 269.0351, 0.2765,
0.3126

■ 14.7824, 0.2221,
0.2834

■ 48.8127, 0.2501,
0.2992

■ 8.6668, 0.2064,
0.2739

■ 66.6653, 0.2560,
0.3023

■ 4.5245, 0.1845,
0.2597

■ 88.4132, 0.2609,
0.3048

■ 1.9711, 0.1523,
0.2368

■ 114.4407, 0.2650,
0.3069

■ 0.5906, 0.0532,
0.1977

■ 145.1323, 0.2685,
0.3087

■ 0.0000, 0.0000,
0.0000

180.8722, 0.2715,

0.3102

222.0451, 0.2742,
0.3115

■ 23.2556, 0.2338,
0.2902

■ 23.2556, 0.2338,
0.2902

■ 21.6753, 0.2240,
0.2822

■ 25.0366, 0.2452,
0.2979

■ 20.2791, 0.2160,
0.2741

■ 27.0283, 0.2580,
0.3053

■ 19.0515, 0.2099,
0.2660

■ 29.2430, 0.2717,
0.3123

■ 17.9653, 0.2055,
0.2580

■ 31.6910, 0.2862,
0.3188

■ 17.7225, 0.2045,
0.2561

■ 34.3821, 0.3011,
0.3248

■ 37.3255, 0.3162,
0.3302

■ 40.5298, 0.3312,
0.3351

■ 44.0030, 0.3460,
0.3395

■ 47.7531, 0.3603,
0.3433

Harmonies

Analogous

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



23.2556, 0.2464, 0.3283



23.2556, 0.2338, 0.2902



23.2556, 0.2403, 0.2663

Triad

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



23.2556, 0.2338, 0.2902



23.2556, 0.3473, 0.2920



23.2556, 0.3587, 0.4058

Complementary

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



23.2556, 0.2338, 0.2902



15.5204, 0.4619, 0.3616

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.



23.2556, 0.3891, 0.3890



23.2556, 0.2338, 0.2902



23.2556, 0.3831, 0.3238

Square

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



23.2556, 0.2338, 0.2902



23.2556, 0.3034, 0.2692



23.2556, 0.3986, 0.3585



23.2556, 0.3172, 0.4000

Rectangle

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



23.2556, 0.2338, 0.2902



23.2556, 0.2549, 0.2600



23.2556, 0.3986, 0.3585



23.2556, 0.3706, 0.4023

Sweetspot

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



23.2565, 0.2338, 0.2902



56.9327, 0.2868, 0.3190



28.1814, 0.2914, 0.4728



12.5926, 0.2840, 0.3178



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.2565, 0.2338, 0.2902



38.1439, 0.2217, 0.2801



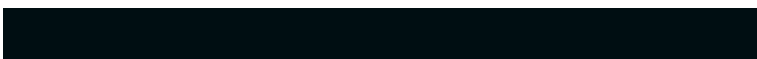
12.2043, 0.2140, 0.1977



7.7418, 0.2988, 0.3239



13.8456, 0.2047, 0.2569



0.3537, 0.2128, 0.2859

Inverse Universe

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



13.9923, 0.3497, 0.2213



21.0533, 0.3605, 0.2045



25.9222, 0.4153, 0.4302



7.1750, 0.3170, 0.3117



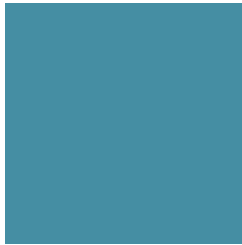
7.2418, 0.3854, 0.1897



0.1585, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 23.2556, 0.2338, 0.2902 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 23.2556, 0.2338, 0.2902 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 23.2556, 0.2338, 0.2902

Background



This preview shows how black text looks on a background with the Yxy color 23.2556, 0.2338, 0.2902.



This preview shows how white text looks on a background with the Yxy color 23.2556, 0.2338, 0.2902.

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

23.2556, 0.2338, 0.2902

Protanopia

23.1112, 0.2842, 0.2883

Deuteranopia

22.9657, 0.2740, 0.2679



Tritanopia

23.1697, 0.2376, 0.3061

Trichromacy



Original Color

23.2556, 0.2338, 0.2902

Protanomaly

22.8607, 0.2620, 0.2883

Deuteranomaly

22.8310, 0.2562, 0.2752

Tritanomaly

23.3068, 0.2363, 0.3007

Monochromacy



Original Color

23.2556, 0.2338, 0.2902

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6838, 0.2755, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2556, 0.2338, 0.2902 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(69, 142, 163)` looks like.

```
.text, #text, p{  
    color:rgb(69, 142, 163)  
}
```

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(69, 142, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 142, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.2556, 0.2338, 0.2902 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(69, 142, 163) }
```

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

```
.border{ border-color:rgb(69, 142, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 142, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 142, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 142, 163);  
box-shadow:4px 4px 4px 4px rgb(69, 142,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2556, 0.2338, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 142, 163) }
```

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

```
.background{ background-color: rgb(69, 142,  
163) }
```

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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