

Converting Colors

$Yxy(22.5817, 0.2240, 0.2884)$

Have a look what the booklet for
Yxy(22.5817, 0.2240, 0.2884)
contains.

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Color

$\text{Yxy}(22.6433, 0.2242, 0.2892)$

Conversions

Conversions Part 1

Format	Color
Hex	318EA3
RGB	49, 142, 163
RGB Percent	19%, 56%, 64%
CMY	0.8075, 0.4432, 0.3608
CMYK	0.70, 0.13, 0.00, 0.36
HSL	191°, 54%, 42%
HSV	191°, 70%, 64%
XYZ	17.5540, 22.6433, 38.0990
YIQ	116.5870, -62.1690, -13.1850

Conversions

Conversions Part 2

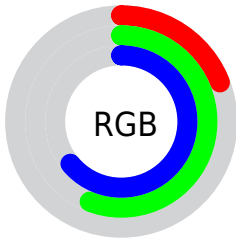
Format	Color
R _Y B	49, 100, 163
Decimal	3247779
CIE _{Lab}	54.70, -20.01, -19.03
CIE _{LCh}	55, 27.618, 223.560
Y _{xy}	22.6433, 0.2242, 0.2892
Android (android.graphics.Color)	4281437859 (0xFF318EA3)
YUV	116.5870, 22.8816, -59.2738
Hunter-Lab	47.5850, -17.4253, -14.1612

Details

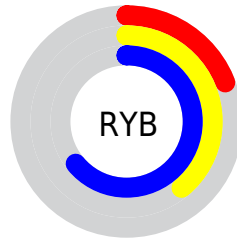
The Yxy color **22.6433, 0.2242, 0.2892** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4035, 0.5157, 0.3582**, and the grayscale version is **17.6053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8568, 0.2424, 0.2987**, and **8.8020, 0.2100, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **21.4260, 0.2172, 0.2826**, and if you desaturate by 10%, it is **24.0330, 0.2331, 0.2957**.

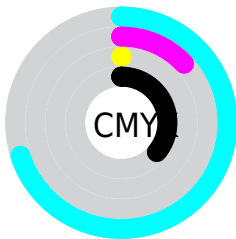
Distribution



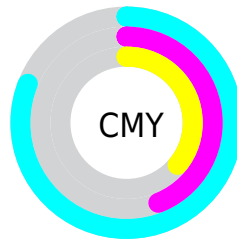
- Red (19%)
- Green (56%)
- Blue (64%)



- Red (19%)
- Yellow (39%)
- Blue (64%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (36%)



- Cyan (81%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6433, 0.2242, 0.2892 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 22.6433, 0.2242, 0.2892 by changing the saturation by 10% instead.


 22.6433, 0.2242,
0.2892


 22.6433, 0.2242,
0.2892


265.8876, 0.2721,
0.3126


 14.3303, 0.2111,
0.2820


 47.8070, 0.2424,
0.2986

 8.3508, 0.1937,
0.2718


 65.4265, 0.2490,
0.3019

 4.3202, 0.1696,
0.2566

 86.9169, 0.2545,
0.3045

 1.8543, 0.1346,
0.2316

 112.6627, 0.2591,
0.3067

 0.5207, 0.0023,
0.1888

 143.0483, 0.2631,
0.3085

 0.0000, 0.0000,
0.0000

178.4581, 0.2665,

0.3101

219.2764, 0.2695,
0.3114

■ 22.6433, 0.2242,
0.2892

■ 22.6433, 0.2242,
0.2892

■ 21.4260, 0.2172,
0.2826

■ 24.0330, 0.2331,
0.2957

■ 20.3619, 0.2120,
0.2761

■ 25.6071, 0.2437,
0.3021

■ 19.4135, 0.2082,
0.2695

■ 27.3791, 0.2557,
0.3082

■ 19.4027, 0.2082,
0.2695

■ 29.3604, 0.2690,
0.3140

■ 31.5615, 0.2831,
0.3194

■ 33.9923, 0.2978,
0.3245

■ 36.6617, 0.3129,
0.3291

■ 39.5785, 0.3280,
0.3332

■ 42.7506, 0.3430,
0.3369

Harmonies

Analogous

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



22.6433, 0.2409, 0.3342



22.6433, 0.2242, 0.2892



22.6433, 0.2288, 0.2602

Triad

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



22.6433, 0.2242, 0.2892



22.6433, 0.3455, 0.2831



22.6433, 0.3702, 0.4154

Complementary

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



22.6433, 0.2242, 0.2892



12.4035, 0.5157, 0.3582

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.



22.6433, 0.4025, 0.3925



22.6433, 0.2242, 0.2892



22.6433, 0.3889, 0.3176

Square

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



22.6433, 0.2242, 0.2892



22.6433, 0.2955, 0.2592



22.6433, 0.4101, 0.3566



22.6433, 0.3238, 0.4134

Rectangle

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



22.6433, 0.2242, 0.2892



22.6433, 0.2433, 0.2517



22.6433, 0.4101, 0.3566



22.6433, 0.3831, 0.4100

Sweetspot

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



22.6441, 0.2242, 0.2892



55.8987, 0.2809, 0.3186



27.2944, 0.2919, 0.5149



12.3177, 0.2772, 0.3172



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.



22.6441, 0.2242, 0.2892



37.2553, 0.2140, 0.2789



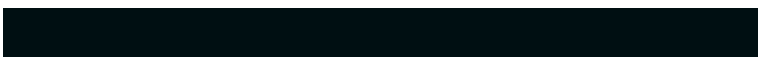
9.8230, 0.1958, 0.1725



7.7880, 0.2988, 0.3248



15.1390, 0.2084, 0.2701



0.3725, 0.2149, 0.2936

Inverse Universe

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



11.9445, 0.3526, 0.1997



18.3302, 0.3636, 0.1865



23.1718, 0.4421, 0.4407



7.1797, 0.3164, 0.3109



7.3724, 0.3728, 0.1827



0.1604, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 22.6433, 0.2242, 0.2892 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 22.6433, 0.2242, 0.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

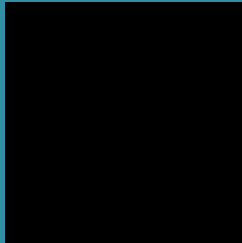
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6433, 0.2242, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 22.6433, 0.2242, 0.2892.



This preview shows how white text looks on a background with the Yxy color 22.6433, 0.2242, 0.2892.

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

22.6433, 0.2242, 0.2892

Protanopia

22.3936, 0.2829, 0.2861

Deuteranopia

22.4766, 0.2709, 0.2657



Tritanopia

22.5470, 0.2273, 0.3055

Trichromacy



Original Color

22.6433, 0.2242, 0.2892

Protanomaly

22.0259, 0.2548, 0.2872

Deuteranomaly

22.0331, 0.2485, 0.2722

Tritanomaly

22.6944, 0.2263, 0.3000

Monochromacy



Original Color

22.6433, 0.2242, 0.2892

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.9183, 0.2676, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6433, 0.2242, 0.2892 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(49, 142, 163)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 142, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 142, 163) }
```

Border

The CSS property to change the border of an element to Yxy 22.6433, 0.2242, 0.2892 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(49, 142, 163) }
```

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

```
.border{ border-color:rgb(49, 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(49, 142, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 142, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 142, 163);  
box-shadow:4px 4px 4px 4px rgb(49, 142,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6433, 0.2242, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 142, 163) }
```

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

```
.background{ background-color: rgb(49, 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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