

Converting Colors

$Y_{xy}(22.3377, 0.2227, 0.2821)$

Have a look what the booklet for
Yxy(22.3377, 0.2227, 0.2821)
contains.

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Color

$\text{Yxy}(22.4702, 0.2234, 0.2839)$

Conversions

Conversions Part 1

Format	Color
Hex	338DA5
RGB	51, 141, 165
RGB Percent	20%, 55%, 65%
CMY	0.7999, 0.4471, 0.3530
CMYK	0.69, 0.15, 0.00, 0.35
HSL	193°, 53%, 42%
HSV	193°, 69%, 65%
XYZ	17.6817, 22.4702, 38.9964
YIQ	116.8260, -61.3440, -11.6160

Conversions

Conversions Part 2

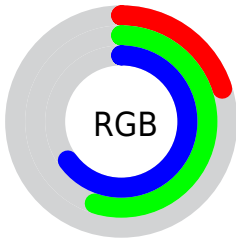
Format	Color
RYB	51, 101, 165
Decimal	3378597
CIELab	54.52, -18.55, -20.44
CIElCh	55, 27.601, 227.782
Yxy	22.4702, 0.2234, 0.2839
Android (android.graphics.Color)	4281568677 (0xFF338DA5)
YUV	116.8260, 23.7498, -57.7294
Hunter-Lab	47.4027, -16.3724, -15.5936

Details

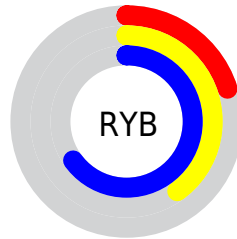
The Yxy color **22.4702, 0.2234, 0.2839** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2723, 0.5088, 0.3624**, and the grayscale version is **17.6749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6423, 0.2420, 0.2948**, and **8.6744, 0.2079, 0.2682** is the 20% darker color. If you saturate the color by 10%, you get **21.1074, 0.2158, 0.2763**, and if you desaturate by 10%, it is **24.0189, 0.2328, 0.2914**.

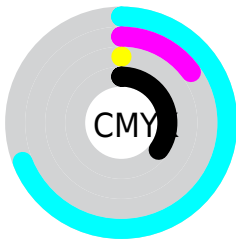
Distribution



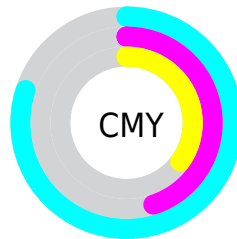
- Red (20%)
- Green (55%)
- Blue (65%)



- Red (20%)
- Yellow (40%)
- Blue (65%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (80%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4702, 0.2234, 0.2839 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 22.4702, 0.2234, 0.2839 by changing the saturation by 10% instead.

■ 22.4702, 0.2234,
0.2839

■ 22.4702, 0.2234,
0.2839

■ 264.9920, 0.2717,
0.3101

■ 14.2028, 0.2102,
0.2759

■ 47.5219, 0.2418,
0.2944

■ 8.2619, 0.1927,
0.2648

■ 65.0750, 0.2485,
0.2981

■ 4.2630, 0.1684,
0.2481

■ 86.4922, 0.2540,
0.3010

■ 1.8217, 0.1334,
0.2214

■ 112.1577, 0.2586,
0.3035

■ 0.5007, 0.0080,
0.1731

■ 142.4561, 0.2626,
0.3055

■ 0.0000, 0.0000,
0.0000

177.7717, 0.2661,

0.3073

218.4888, 0.2691,
0.3088

■ 22.4702, 0.2234,
0.2839

■ 22.4702, 0.2234,
0.2839

■ 21.1074, 0.2158,
0.2763

■ 24.0189, 0.2328,
0.2914

■ 19.9107, 0.2102,
0.2687

■ 25.7657, 0.2438,
0.2987

■ 18.8468, 0.2061,
0.2612

■ 27.7245, 0.2563,
0.3057

■ 18.7504, 0.2057,
0.2605

■ 29.9072, 0.2698,
0.3124

■ 32.3245, 0.2842,
0.3186

■ 34.9866, 0.2990,
0.3243

■ 37.9029, 0.3141,
0.3295

■ 41.0822, 0.3292,
0.3342

■ 44.5331, 0.3441,
0.3384

Harmonies

Analogous

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



22.4702, 0.2371, 0.3272



22.4702, 0.2234, 0.2839



22.4702, 0.2309, 0.2575

Triad

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



22.4702, 0.2234, 0.2839



22.4702, 0.3525, 0.2874



22.4702, 0.3643, 0.4170

Complementary

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



22.4702, 0.2234, 0.2839



13.2723, 0.5088, 0.3624

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.



22.4702, 0.3994, 0.3969



22.4702, 0.2234, 0.2839



22.4702, 0.3936, 0.3229

Square

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



22.4702, 0.2234, 0.2839



22.4702, 0.3023, 0.2616



22.4702, 0.4110, 0.3620



22.4702, 0.3169, 0.4108

Rectangle

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



22.4702, 0.2234, 0.2839



22.4702, 0.2473, 0.2508



22.4702, 0.4110, 0.3620



22.4702, 0.3780, 0.4127

Sweetspot

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



22.4710, 0.2234, 0.2839



56.8588, 0.2808, 0.3172



28.1026, 0.2909, 0.5093



12.1810, 0.2770, 0.3156



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.



22.4710, 0.2234, 0.2839



36.6042, 0.2125, 0.2722



9.9526, 0.1960, 0.1708



7.7570, 0.2988, 0.3242



14.2608, 0.2059, 0.2612



0.3598, 0.2135, 0.2884

Inverse Universe

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



12.2918, 0.3570, 0.2041



18.7787, 0.3697, 0.1910



24.4167, 0.4385, 0.4424



7.1765, 0.3168, 0.3114



7.2838, 0.3812, 0.1874



0.1591, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 22.4702, 0.2234, 0.2839 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 22.4702, 0.2234, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

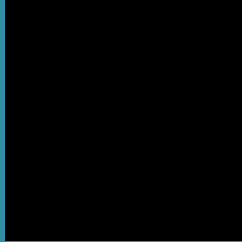
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4702, 0.2234, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 22.4702, 0.2234, 0.2839.



This preview shows how white text looks on a background with the Yxy color 22.4702, 0.2234, 0.2839.

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

22.4702, 0.2234, 0.2839

Protanopia

22.1237, 0.2799, 0.2811

Deuteranopia

22.1435, 0.2670, 0.2607



Tritanopia

22.5135, 0.2279, 0.3074

Trichromacy



Original Color

22.4702, 0.2234, 0.2839

Protanomaly

21.8196, 0.2530, 0.2820

Deuteranomaly

21.7793, 0.2459, 0.2671

Tritanomaly

22.4190, 0.2262, 0.2981

Monochromacy



Original Color

22.4702, 0.2234, 0.2839

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.9701, 0.2686, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4702, 0.2234, 0.2839 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(51, 141, 165)` looks like.

```
.text, #text, p{  
    color:rgb(51, 141, 165)  
}
```

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(51, 141, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 141, 165) }
```

Border

The CSS property to change the border of an element to Yxy 22.4702, 0.2234, 0.2839 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(51, 141, 165) }
```

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

```
.border{ border-color:rgb(51, 141, 165) }
```

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

Here you see how a box with a 4 pixel rgb(51, 141, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 141, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 141, 165);  
box-shadow:4px 4px 4px 4px rgb(51, 141,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4702, 0.2234, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 141, 165) }
```

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

```
.background{ background-color: rgb(51, 141,  
165) }
```

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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