

Converting Colors

$Yxy(22.4162, 0.2733, 0.4268)$

Have a look what the booklet for
Yxy(22.4162, 0.2733, 0.4268)
contains.

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Color

$\text{Yxy}(22.3774, 0.2738, 0.4277)$

Conversions

Conversions Part 1

Format	Color
Hex	3A9264
RGB	58, 146, 100
RGB Percent	23%, 57%, 39%
CMY	0.7724, 0.4275, 0.6079
CMYK	0.60, 0.00, 0.32, 0.43
HSL	149°, 43%, 40%
HSV	149°, 60%, 57%
XYZ	14.3253, 22.3774, 15.6176
YIQ	114.4440, -37.6820, -32.9620

Conversions

Conversions Part 2

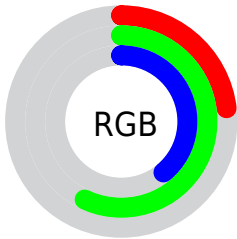
Format	Color
RYB	58, 118, 146
Decimal	3838564
CIELab	54.43, -37.47, 16.73
CIELCh	54, 41.034, 155.939
Yxy	22.3774, 0.2738, 0.4277
Android (android.graphics.Color)	4282028644 (0xFF3A9264)
YUV	114.4440, -7.1209, -49.5014
Hunter-Lab	47.3048, -28.7282, 13.5388

Details

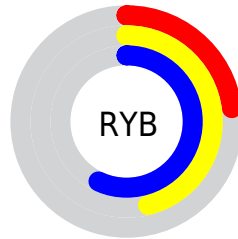
The Yxy color **22.3774, 0.2738, 0.4277** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1419, 0.3944, 0.2520**, and the grayscale version is **17.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5184, 0.2833, 0.4044**, and **8.2624, 0.2636, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **21.8597, 0.2712, 0.4477**, and if you desaturate by 10%, it is **23.0349, 0.2780, 0.4082**.

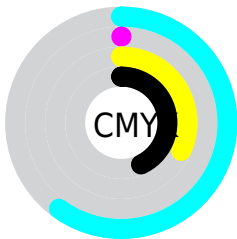
Distribution



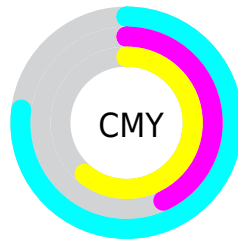
- Red (23%)
- Green (57%)
- Blue (39%)



- Red (23%)
- Yellow (46%)
- Blue (57%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)



- Cyan (77%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3774, 0.2738, 0.4277 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 22.3774, 0.2738, 0.4277 by changing the saturation by 10% instead.


 22.3774, 0.2738,
0.4277


 22.3774, 0.2738,
0.4277


264.5109, 0.2971,
0.3694


 14.1345, 0.2662,
0.4463


 47.3690, 0.2834,
0.4038

 8.2143, 0.2551,
0.4734


 64.8864, 0.2867,
0.3957


 4.2323, 0.2373,
0.5161

 86.2641, 0.2892,
0.3892

 1.8044, 0.2026,
0.6062

 111.8865, 0.2914,
0.3838

 0.4899, 0.0000,
1.0000

 142.1380, 0.2931,
0.3793

 0.0000, 0.0000,
0.0000

177.4030, 0.2947,

0.3755

218.0658, 0.2959,
0.3722

■ 22.3774, 0.2738,
0.4277

■ 22.3774, 0.2738,
0.4277

■ 21.8597, 0.2712,
0.4477

■ 23.0349, 0.2780,
0.4082

■ 21.4679, 0.2703,
0.4677

■ 23.8394, 0.2835,
0.3897

■ 21.1898, 0.2714,
0.4871

■ 24.8008, 0.2900,
0.3725

■ 20.9951, 0.2737,
0.5053

■ 25.9272, 0.2972,
0.3566

■ 27.2263, 0.3047,
0.3422

■ 28.7053, 0.3125,
0.3293

■ 30.3710, 0.3203,
0.3178

■ 32.2296, 0.3280,
0.3076

■ 34.2872, 0.3355,
0.2987

Harmonies

Analogous

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



22.3774, 0.3435, 0.4632



22.3774, 0.2738, 0.4277



22.3774, 0.2183, 0.3542

Triad

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



22.3774, 0.2738, 0.4277



22.3774, 0.2160, 0.2180



22.3774, 0.4540, 0.3498

Complementary

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



22.3774, 0.2738, 0.4277



10.1419, 0.3944, 0.2520

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.



22.3774, 0.4122, 0.2971



22.3774, 0.2738, 0.4277



22.3774, 0.2689, 0.2250

Square

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



22.3774, 0.2738, 0.4277



22.3774, 0.1890, 0.2358



22.3774, 0.3411, 0.2531



22.3774, 0.4508, 0.4038

Rectangle

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



22.3774, 0.2738, 0.4277



22.3774, 0.1958, 0.3039



22.3774, 0.3411, 0.2531



22.3774, 0.4448, 0.3317

Sweetspot

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



22.3783, 0.2738, 0.4277



46.1462, 0.2986, 0.3538



23.8639, 0.3480, 0.4925



10.1397, 0.2966, 0.3577



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.



22.3783, 0.2738, 0.4277



38.3179, 0.2707, 0.4541



23.4436, 0.2424, 0.3345



6.5117, 0.3055, 0.3408



18.4804, 0.2734, 0.5044



0.2321, 0.2513, 0.4245

Inverse Universe

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



10.1419, 0.3944, 0.2520



14.7647, 0.4224, 0.2416



9.4780, 0.4870, 0.3248



5.8630, 0.3206, 0.3175



5.8460, 0.4814, 0.2426



0.0775, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 22.3774, 0.2738, 0.4277 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 22.3774, 0.2738, 0.4277 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 22.3774, 0.2738, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 22.3774, 0.2738, 0.4277.



This preview shows how white text looks on a background with the Yxy color 22.3774, 0.2738, 0.4277.

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

22.3774, 0.2738, 0.4277

Protanopia

21.9798, 0.3658, 0.3927

Deuteranopia

21.9193, 0.3681, 0.3613



Tritanopia

22.4464, 0.2440, 0.3079

Trichromacy



Original Color

22.3774, 0.2738, 0.4277

Protanomaly

21.4875, 0.3246, 0.4054

Deuteranomaly

21.2637, 0.3262, 0.3846

Tritanomaly

22.2409, 0.2545, 0.3490

Monochromacy



Original Color

22.3774, 0.2738, 0.4277

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.4055, 0.2939, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3774, 0.2738, 0.4277 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(58, 146, 100)` looks like.

```
.text, #text, p{  
    color:rgb(58, 146, 100)  
}
```

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(58, 146, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 146, 100) }
```

Border

The CSS property to change the border of an element to Yxy 22.3774, 0.2738, 0.4277 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(58, 146, 100) }
```

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

```
.border{ border-color:rgb(58, 146, 100) }
```

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

Here you see how a box with a 4 pixel rgb(58, 146, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 146, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 146, 100);  
box-shadow:4px 4px 4px 4px rgb(58, 146,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3774, 0.2738, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 146, 100) }
```

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

```
.background{ background-color: rgb(58, 146,  
100) }
```

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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