

Converting Colors

$Y_{xy}(22.9572, 0.2715, 0.4484)$

Have a look what the booklet for
Yxy(22.9572, 0.2715, 0.4484)
contains.

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Color

Yxy(22.8609, 0.2717, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	2D955E
RGB	45, 149, 94
RGB Percent	18%, 58%, 37%
CMY	0.8232, 0.4157, 0.6314
CMYK	0.70, 0.00, 0.37, 0.42
HSL	148°, 54%, 38%
HSV	148°, 70%, 58%
XYZ	13.8522, 22.8609, 14.2702
YIQ	111.6340, -44.3290, -39.1530

Conversions

Conversions Part 2

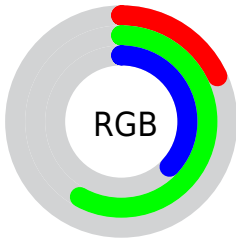
Format	Color
R_{YB}	45, 116, 149
Decimal	2987358
CIE _{Lab}	54.93, -42.60, 20.70
CIE _{LCh}	55, 47.365, 154.085
Yxy	22.8609, 0.2717, 0.4484
Android (android.graphics.Color)	4281177438 (0xFF2D955E)
YUV	111.6340, -8.6936, -58.4380
Hunter-Lab	47.8131, -31.9588, 15.7735

Details

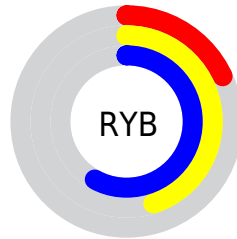
The Yxy color **22.8609, 0.2717, 0.4484** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.1937, 0.4131, 0.2428**, and the grayscale version is **16.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1731, 0.2819, 0.4190**, and **8.7546, 0.2710, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **22.4465, 0.2708, 0.4687**, and if you desaturate by 10%, it is **23.4110, 0.2744, 0.4281**.

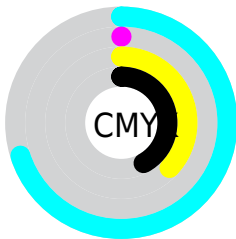
Distribution



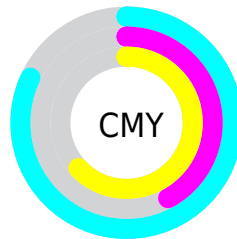
- Red (18%)
- Green (58%)
- Blue (37%)



- Red (18%)
- Yellow (45%)
- Blue (58%)



- Cyan (70%)
- Magenta (0%)
- Yellow (37%)
- Black (42%)





- Cyan (82%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8609, 0.2717, 0.4484 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 22.8609, 0.2717, 0.4484 by changing the saturation by 10% instead.


 22.8609, 0.2717,
0.4484


 22.8609, 0.2717,
0.4484


267.0097, 0.2967,
0.3775


 14.4908, 0.2633,
0.4711


 48.1648, 0.2822,
0.4193

 8.4628, 0.2508,
0.5041


 65.8675, 0.2857,
0.4094


 4.3925, 0.2306,
0.5559

 87.4498, 0.2884,
0.4015


 1.8955, 0.1911,
0.6822

 113.2961, 0.2907,
0.3950

 0.5456, 0.0000,
1.0000

 143.7909, 0.2926,
0.3896

 0.0000, 0.0000,
0.0000

 179.3185, 0.2942,

0.3849

220.2633, 0.2955,
0.3810

■ 22.8609, 0.2717,
0.4484

■ 22.8609, 0.2717,
0.4484

■ 22.4465, 0.2708,
0.4687

■ 23.4110, 0.2744,
0.4281

■ 22.1513, 0.2719,
0.4884

■ 24.1057, 0.2786,
0.4084

■ 21.9430, 0.2743,
0.5071

■ 24.9564, 0.2841,
0.3897

■ 21.9380, 0.2743,
0.5076

■ 25.9723, 0.2905,
0.3723

■ 27.1622, 0.2977,
0.3562

■ 28.5341, 0.3052,
0.3417

■ 30.0954, 0.3129,
0.3287

■ 31.8532, 0.3206,
0.3171

■ 33.8143, 0.3282,
0.3069

Harmonies

Analogous

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



22.8609, 0.3505, 0.4843



22.8609, 0.2717, 0.4484



22.8609, 0.2084, 0.3629

Triad

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



22.8609, 0.2717, 0.4484



22.8609, 0.2011, 0.2048



22.8609, 0.4728, 0.3463

Complementary

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



22.8609, 0.2717, 0.4484



9.1937, 0.4131, 0.2428

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.



22.8609, 0.4223, 0.2887



22.8609, 0.2717, 0.4484



22.8609, 0.2580, 0.2115

Square

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



22.8609, 0.2717, 0.4484



22.8609, 0.1735, 0.2253



22.8609, 0.3390, 0.2412



22.8609, 0.4706, 0.4068

Rectangle

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



22.8609, 0.2717, 0.4484



22.8609, 0.1827, 0.3037



22.8609, 0.3390, 0.2412



22.8609, 0.4614, 0.3264

Sweetspot

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



22.8618, 0.2717, 0.4484



48.2654, 0.2964, 0.3588



24.4222, 0.3496, 0.5165



10.5760, 0.2946, 0.3627



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.8618, 0.2717, 0.4484



39.8610, 0.2712, 0.4805



24.1146, 0.2363, 0.3356



6.5112, 0.3056, 0.3410



18.4705, 0.2740, 0.5064



0.2319, 0.2517, 0.4261

Inverse Universe

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



9.1937, 0.4131, 0.2428



13.7117, 0.4484, 0.2373



8.4899, 0.5311, 0.3249



5.8636, 0.3205, 0.3173



5.8572, 0.4788, 0.2412



0.0777, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 22.8609, 0.2717, 0.4484 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 22.8609, 0.2717, 0.4484 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 22.8609, 0.2717, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 22.8609, 0.2717, 0.4484.



This preview shows how white text looks on a background with the Yxy color 22.8609, 0.2717, 0.4484.

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

22.8609, 0.2717, 0.4484

Protanopia

22.6553, 0.3763, 0.4069

Deuteranopia

22.4381, 0.3801, 0.3722



Tritanopia

22.8392, 0.2391, 0.3079

Trichromacy



Original Color

22.8609, 0.2717, 0.4484



Protanomaly

22.0240, 0.3274, 0.4253



Deuteranomaly

21.4907, 0.3285, 0.4006



Tritanomaly

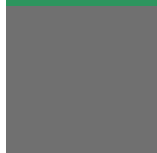
22.8465, 0.2502, 0.3551

Monochromacy



Original Color

22.8609, 0.2717, 0.4484



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

17.7619, 0.2914, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8609, 0.2717, 0.4484 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(45, 149, 94)` looks like.

```
.text, #text, p{  
    color:rgb(45, 149, 94)  
}
```

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(45, 149, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 149, 94) }
```

Border

The CSS property to change the border of an element to Yxy 22.8609, 0.2717, 0.4484 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(45, 149, 94) }
```

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

```
.border{ border-color:rgb(45, 149, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 149, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 149, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 149, 94);  
box-shadow:4px 4px 4px 4px rgb(45, 149,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8609, 0.2717, 0.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 149, 94) }
```

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

```
.background{ background-color: rgb(45, 149,  
94) }
```

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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