

Converting Colors

$Y_{xy}(21.0280, 0.2748, 0.4701)$

Have a look what the booklet for
Yxy(21.0280, 0.2748, 0.4701)
contains.

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Color

$Y_{xy}(20.9490, 0.2749, 0.4698)$

Conversions

Conversions Part 1

Format	Color
Hex	259052
RGB	37, 144, 82
RGB Percent	15%, 56%, 32%
CMY	0.8551, 0.4353, 0.6783
CMYK	0.74, 0.00, 0.43, 0.44
HSL	145°, 59%, 35%
HSV	145°, 74%, 56%
XYZ	12.2582, 20.9490, 11.3842
YIQ	104.9390, -43.8700, -41.9660

Conversions

Conversions Part 2

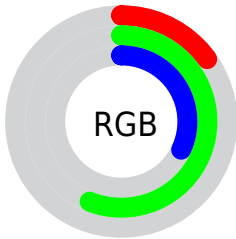
Format	Color
R _Y B	37, 112, 144
Decimal	2461778
CIE Lab	52.89, -44.34, 24.56
CIE LCh	53, 50.686, 151.014
Yxy	20.9490, 0.2749, 0.4698
Android (android.graphics.Color)	4280651858 (0xFF259052)
YUV	104.9390, -11.3089, -59.5825
Hunter-Lab	45.7701, -32.2917, 17.2921

Details

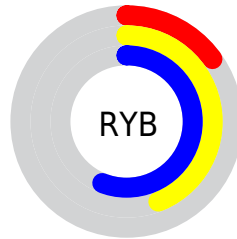
The Yxy color **20.9490, 0.2749, 0.4698** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.1486, 0.4099, 0.2318**, and the grayscale version is **14.1456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1095, 0.2857, 0.4350**, and **7.7817, 0.2786, 0.5230** is the 20% darker color. If you saturate the color by 10%, you get **20.6151, 0.2751, 0.4914**, and if you desaturate by 10%, it is **21.4051, 0.2765, 0.4477**.

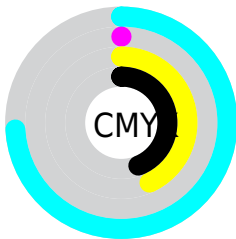
Distribution



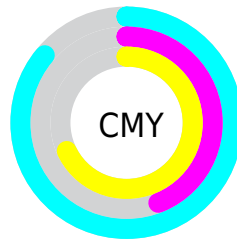
- Red (15%)
- Green (56%)
- Blue (32%)



- Red (15%)
- Yellow (44%)
- Blue (56%)



- Cyan (74%)
- Magenta (0%)
- Yellow (43%)
- Black (44%)




- Cyan (86%)
- Magenta (44%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9490, 0.2749, 0.4698 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 20.9490, 0.2749, 0.4698 by changing the saturation by 10% instead.


 20.9490, 0.2749,
0.4698


 20.9490, 0.2749,
0.4698


257.0073, 0.2992,
0.3848


 13.0867, 0.2660,
0.4978


 45.0026, 0.2855,
0.4344


 7.4883, 0.2522,
0.5390


 61.9628, 0.2889,
0.4226

 3.7693, 0.2285,
0.6041

 82.7244, 0.2916,
0.4131

 1.5454, 0.1508,
0.8492

 107.6718, 0.2937,
0.4054

 0.3203, 0.0000,
1.0000

 137.1894, 0.2954,
0.3989

 0.0000, 0.0000,
0.0000

 171.6616, 0.2969,

0.3935

211.4728, 0.2981,
0.3888

■ 20.9490, 0.2749,
0.4698

■ 20.9490, 0.2749,
0.4698

■ 20.6151, 0.2751,
0.4914

■ 21.4051, 0.2765,
0.4477

■ 20.3863, 0.2772,
0.5118

■ 21.9924, 0.2796,
0.4258

■ 20.2811, 0.2785,
0.5228

■ 22.7220, 0.2841,
0.4048

■ 23.6029, 0.2897,
0.3849

■ 24.6435, 0.2960,
0.3666

■ 25.8516, 0.3027,
0.3500

■ 27.2343, 0.3097,
0.3350

■ 28.7984, 0.3167,
0.3217

■ 30.5503, 0.3236,
0.3099

Harmonies

Analogous

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



20.9490, 0.3607, 0.5003



20.9490, 0.2749, 0.4698



20.9490, 0.2041, 0.3765

Triad

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



20.9490, 0.2749, 0.4698



20.9490, 0.1873, 0.1953



20.9490, 0.4855, 0.3391

Complementary

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



20.9490, 0.2749, 0.4698



8.1486, 0.4099, 0.2318

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.



20.9490, 0.4248, 0.2786



20.9490, 0.2749, 0.4698



20.9490, 0.2449, 0.2001

Square

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



20.9490, 0.2749, 0.4698



20.9490, 0.1611, 0.2196



20.9490, 0.3312, 0.2295



20.9490, 0.4875, 0.4041

Rectangle

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



20.9490, 0.2749, 0.4698



20.9490, 0.1746, 0.3092



20.9490, 0.3312, 0.2295



20.9490, 0.4713, 0.3182

Sweetspot

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



20.9498, 0.2749, 0.4698



43.8431, 0.2972, 0.3633



22.7562, 0.3556, 0.5223



9.9445, 0.2956, 0.3675



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.



20.9498, 0.2749, 0.4698



36.0770, 0.2763, 0.5048



22.0919, 0.2375, 0.3472



6.0647, 0.3063, 0.3420



17.6643, 0.2783, 0.5217



0.1731, 0.2553, 0.4389

Inverse Universe

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



8.1486, 0.4099, 0.2318



12.2452, 0.4415, 0.2279



7.4454, 0.5398, 0.3177



5.4731, 0.3197, 0.3163



5.7169, 0.4583, 0.2298



0.0591, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 20.9490, 0.2749, 0.4698 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 20.9490, 0.2749, 0.4698 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 20.9490, 0.2749, 0.4698

Background



This preview shows how black text looks on a background with the Yxy color 20.9490, 0.2749, 0.4698.



This preview shows how white text looks on a background with the Yxy color 20.9490, 0.2749, 0.4698.

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

20.9490, 0.2749, 0.4698

Protanopia

20.4936, 0.3859, 0.4180

Deuteranopia

20.5271, 0.3902, 0.3837



Tritanopia

20.7717, 0.2383, 0.3070

Trichromacy



Original Color

20.9490, 0.2749, 0.4698

Protanomaly

19.8193, 0.3328, 0.4399

Deuteranomaly

19.5605, 0.3342, 0.4159

Tritanomaly

20.6796, 0.2515, 0.3629

Monochromacy



Original Color

20.9490, 0.2749, 0.4698

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.7622, 0.2904, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9490, 0.2749, 0.4698 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(37, 144, 82)` looks like.

```
.text, #text, p{  
    color:rgb(37, 144, 82)  
}
```

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(37, 144, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 144, 82) }
```

Border

The CSS property to change the border of an element to Yxy 20.9490, 0.2749, 0.4698 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(37, 144, 82) }
```

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

```
.border{ border-color:rgb(37, 144, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 144, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 144, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 144, 82);  
box-shadow:4px 4px 4px 4px rgb(37, 144,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9490, 0.2749, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 144, 82) }
```

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

```
.background{ background-color: rgb(37, 144,  
82) }
```

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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