

Converting Colors

$Yxy(22.2703, 0.2788, 0.5217)$

Have a look what the booklet for
Yxy(22.2703, 0.2788, 0.5217)
contains.

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Color

Yxy(22.2022, 0.2787, 0.5214)

Conversions

Conversions Part 1

Format	Color
Hex	039640
RGB	3, 150, 64
RGB Percent	1%, 59%, 25%
CMY	0.9891, 0.4117, 0.7490
CMYK	0.98, 0.00, 0.57, 0.41
HSL	145°, 96%, 30%
HSV	145°, 98%, 59%
XYZ	11.8676, 22.2022, 8.5121
YIQ	96.2430, -60.0060, -57.9100

Conversions

Conversions Part 2

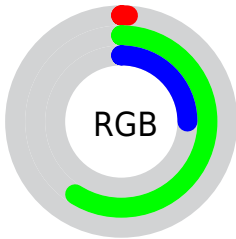
Format	Color
RYB	3, 107, 150
Decimal	235072
CIELab	54.24, -52.86, 35.59
CIELCh	54, 63.720, 146.048
Yxy	22.2022, 0.2787, 0.5214
Android (android.graphics.Color)	4278425152 (0xFF039640)
YUV	96.2430, -15.8958, -81.7741
Hunter-Lab	47.1192, -37.5011, 22.2727

Details

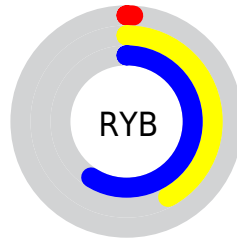
The Yxy color **22.2022, 0.2787, 0.5214** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2629, 0.4542, 0.2290**, and the grayscale version is **11.7949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9038, 0.2904, 0.4730**, and **8.5811, 0.2946, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **22.1668, 0.2792, 0.5250**, and if you desaturate by 10%, it is **22.4194, 0.2762, 0.5015**.

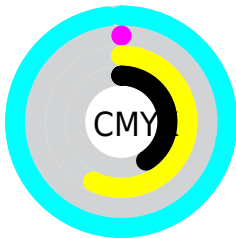
Distribution



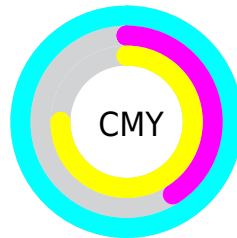
- Red (1%)
- Green (59%)
- Blue (25%)



- Red (1%)
- Yellow (42%)
- Blue (59%)



- Cyan (98%)
- Magenta (0%)
- Yellow (57%)
- Black (41%)





- Cyan (99%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2022, 0.2787, 0.5214 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 22.2022, 0.2787, 0.5214 by changing the saturation by 10% instead.


 22.2022, 0.2787,
0.5214


 22.2022, 0.2787,
0.5214


263.6004, 0.3032,
0.4051


 14.0055, 0.2683,
0.5588


 47.0800, 0.2903,
0.4733

 8.1245, 0.2514,
0.6123

 64.5299, 0.2937,
0.4571

 4.1747, 0.2244,
0.7025

 85.8330, 0.2963,
0.4441

 1.7718, 0.1051,
0.8949

 111.3737, 0.2983,
0.4334

 0.4695, 0.0000,
1.0000

 141.5364, 0.2999,
0.4246

 0.0000, 0.0000,
0.0000

 176.7055, 0.3013,

0.4171

217.2653, 0.3023,
0.4107

■ 22.2022, 0.2787,
0.5214

■ 22.2022, 0.2787,
0.5214

■ 22.1668, 0.2792,
0.5250

■ 22.4194, 0.2762,
0.5015

■ 22.7369, 0.2752,
0.4801

■ 23.1814, 0.2760,
0.4578

■ 23.7668, 0.2785,
0.4355

■ 24.5048, 0.2825,
0.4138

■ 25.4059, 0.2876,
0.3932

■ 26.4797, 0.2936,
0.3740

■ 27.7350, 0.3002,
0.3564

■ 29.1800, 0.3070,
0.3406

Harmonies

Analogous

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



22.2022, 0.3799, 0.5347



22.2022, 0.2787, 0.5214



22.2022, 0.1918, 0.4093

Triad

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



22.2022, 0.2787, 0.5214



22.2022, 0.1576, 0.1733



22.2022, 0.5166, 0.3233

Complementary

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



22.2022, 0.2787, 0.5214



7.2629, 0.4542, 0.2290

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.



22.2022, 0.4322, 0.2567



22.2022, 0.2787, 0.5214



22.2022, 0.2167, 0.1749

Square

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



22.2022, 0.2787, 0.5214



22.2022, 0.1338, 0.2049



22.2022, 0.3144, 0.2041



22.2022, 0.5261, 0.3966

Rectangle

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



22.2022, 0.2787, 0.5214



22.2022, 0.1547, 0.3206



22.2022, 0.3144, 0.2041



22.2022, 0.4958, 0.3002

Sweetspot

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



22.2031, 0.2787, 0.5214



46.4358, 0.2927, 0.3766



24.0511, 0.3528, 0.5565



10.1243, 0.2904, 0.3839



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.



22.2031, 0.2787, 0.5214



39.0826, 0.2801, 0.5284



23.5901, 0.2334, 0.3591



6.5061, 0.3063, 0.3422



18.3891, 0.2788, 0.5236



0.2307, 0.2557, 0.4403

Inverse Universe

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



7.2629, 0.4542, 0.2290



12.6397, 0.4611, 0.2314



6.5873, 0.6216, 0.3220



5.8688, 0.3197, 0.3162



5.9633, 0.4565, 0.2289



0.0789, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 22.2022, 0.2787, 0.5214 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 22.2022, 0.2787, 0.5214 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 22.2022, 0.2787, 0.5214

Background



This preview shows how black text looks on a background with the Yxy color 22.2022, 0.2787, 0.5214.



This preview shows how white text looks on a background with the Yxy color 22.2022, 0.2787, 0.5214.

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

22.2022, 0.2787, 0.5214

Protanopia

21.8356, 0.4082, 0.4476

Deuteranopia

21.8900, 0.4194, 0.4113



Tritanopia

22.2466, 0.2349, 0.3075

Trichromacy



Original Color

22.2022, 0.2787, 0.5214



Protanomaly

20.4929, 0.3363, 0.4862



Deuteranomaly

20.0172, 0.3430, 0.4604



Tritanomaly

21.7339, 0.2485, 0.3803

Monochromacy



Original Color

22.2022, 0.2787, 0.5214



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.1550, 0.2843, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2022, 0.2787, 0.5214 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(3, 150, 64)` looks like.

```
.text, #text, p{  
    color:rgb(3, 150, 64)  
}
```

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(3, 150, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 150, 64) }
```

Border

The CSS property to change the border of an element to Yxy 22.2022, 0.2787, 0.5214 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(3, 150, 64) }
```

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

```
.border{ border-color:rgb(3, 150, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 150, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 150, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 150, 64);  
box-shadow:4px 4px 4px 4px rgb(3, 150, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2022, 0.2787, 0.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 150, 64) }
```

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

```
.background{ background-color: rgb(3, 150,  
64) }
```

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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