

Converting Colors

$Y_{xy}(22.7097, 0.2584, 0.4028)$

Have a look what the booklet for
Yxy(22.7097, 0.2584, 0.4028)
contains.

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Color

$\text{Yxy}(22.6405, 0.2578, 0.4014)$

Conversions

Conversions Part 1

Format	Color
Hex	2E9371
RGB	46, 147, 113
RGB Percent	18%, 58%, 44%
CMY	0.8195, 0.4235, 0.5569
CMYK	0.69, 0.00, 0.23, 0.42
HSL	160°, 52%, 38%
HSV	160°, 69%, 58%
XYZ	14.5409, 22.6405, 19.2224
YIQ	112.9250, -49.2820, -31.9860

Conversions

Conversions Part 2

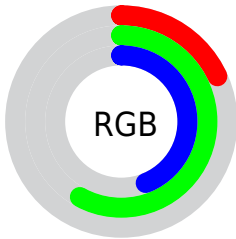
Format	Color
RYB	46, 107, 147
Decimal	3052401
CIELab	54.70, -37.33, 9.70
CIELCh	55, 38.565, 165.432
Yxy	22.6405, 0.2578, 0.4014
Android (android.graphics.Color)	4281242481 (0xFF2E9371)
YUV	112.9250, 0.0370, -58.6932
Hunter-Lab	47.5820, -28.7196, 9.3552

Details

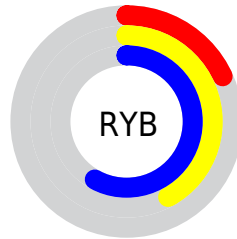
The Yxy color **22.6405, 0.2578, 0.4014** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.7383, 0.4559, 0.2755**, and the grayscale version is **16.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9609, 0.2704, 0.3844**, and **8.5661, 0.2523, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **22.2479, 0.2553, 0.4140**, and if you desaturate by 10%, it is **23.1579, 0.2622, 0.3890**.

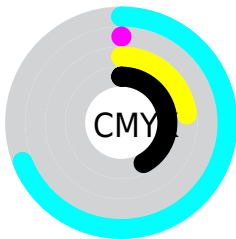
Distribution



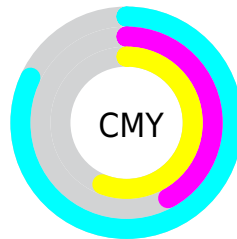
- Red (18%)
- Green (58%)
- Blue (44%)



- Red (18%)
- Yellow (42%)
- Blue (58%)



- Cyan (69%)
- Magenta (0%)
- Yellow (23%)
- Black (42%)




- Cyan (82%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6405, 0.2578, 0.4014 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 22.6405, 0.2578, 0.4014 by changing the saturation by 10% instead.


 22.6405, 0.2578,
0.4014


 22.6405, 0.2578,
0.4014


265.8731, 0.2892,
0.3593


 14.3283, 0.2483,
0.4146


 47.8024, 0.2703,
0.3843

 8.3493, 0.2349,
0.4335


 65.4208, 0.2747,
0.3785


 4.3193, 0.2146,
0.4628

 86.9101, 0.2782,
0.3738

 1.8537, 0.1771,
0.5165

 112.6546, 0.2812,
0.3699

 0.5203, 0.0000,
1.0000

 143.0388, 0.2836,
0.3666

 0.0000, 0.0000,
0.0000

 178.4470, 0.2858,

0.3638

219.2636, 0.2876,
0.3614

■ 22.6405, 0.2578,
0.4014

■ 22.6405, 0.2578,
0.4014

■ 22.2479, 0.2553,
0.4140

■ 23.1579, 0.2622,
0.3890

■ 21.9648, 0.2547,
0.4267

■ 23.8083, 0.2682,
0.3770

■ 21.7649, 0.2557,
0.4392

■ 24.6021, 0.2756,
0.3656

■ 21.7404, 0.2558,
0.4408

■ 25.5482, 0.2842,
0.3550

■ 26.6545, 0.2937,
0.3451

■ 27.9285, 0.3037,
0.3361

■ 29.3771, 0.3141,
0.3280

■ 31.0069, 0.3246,
0.3207

■ 32.8242, 0.3351,
0.3142

Harmonies

Analogous

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



22.6405, 0.3212, 0.4487



22.6405, 0.2578, 0.4014



22.6405, 0.2123, 0.3299

Triad

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



22.6405, 0.2578, 0.4014



22.6405, 0.2349, 0.2237



22.6405, 0.4489, 0.3659

Complementary

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



22.6405, 0.2578, 0.4014



8.7383, 0.4559, 0.2755

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.



22.6405, 0.4223, 0.3146



22.6405, 0.2578, 0.4014



22.6405, 0.2919, 0.2371

Square

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



22.6405, 0.2578, 0.4014



22.6405, 0.2011, 0.2331



22.6405, 0.3619, 0.2692



22.6405, 0.4337, 0.4153

Rectangle

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



22.6405, 0.2578, 0.4014



22.6405, 0.1965, 0.2865



22.6405, 0.3619, 0.2692



22.6405, 0.4447, 0.3486

Sweetspot

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



22.6414, 0.2578, 0.4014



47.1616, 0.2910, 0.3477



22.8309, 0.3305, 0.5258



10.6516, 0.2887, 0.3502



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.



22.6414, 0.2578, 0.4014



39.5655, 0.2547, 0.4204



19.1510, 0.2274, 0.2978



6.5294, 0.3032, 0.3366



18.8518, 0.2556, 0.4401



0.2362, 0.2399, 0.3835

Inverse Universe

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



8.7383, 0.4559, 0.2755



12.9695, 0.5061, 0.2751



9.7558, 0.5131, 0.3524



5.8457, 0.3233, 0.3216



5.5780, 0.5568, 0.2841



0.0733, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 22.6405, 0.2578, 0.4014 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 22.6405, 0.2578, 0.4014 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 22.6405, 0.2578, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 22.6405, 0.2578, 0.4014.



This preview shows how white text looks on a background with the Yxy color 22.6405, 0.2578, 0.4014.

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

22.6405, 0.2578, 0.4014

Protanopia

22.3885, 0.3503, 0.3733

Deuteranopia

22.1783, 0.3480, 0.3410



Tritanopia

22.7027, 0.2368, 0.3077

Trichromacy



Original Color

22.6405, 0.2578, 0.4014

Protanomaly

21.6943, 0.3069, 0.3840

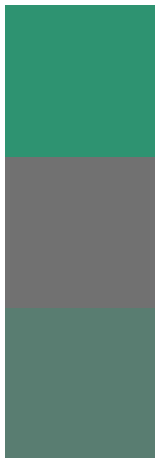
Deuteranomaly

21.3510, 0.3045, 0.3618

Tritanomaly

22.6514, 0.2445, 0.3408

Monochromacy



Original Color

22.6405, 0.2578, 0.4014

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.9833, 0.2844, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6405, 0.2578, 0.4014 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(46, 147, 113)` looks like.

```
.text, #text, p{  
    color:rgb(46, 147, 113)  
}
```

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(46, 147, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 147, 113) }
```

Border

The CSS property to change the border of an element to Yxy 22.6405, 0.2578, 0.4014 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(46, 147, 113) }
```

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

```
.border{ border-color:rgb(46, 147, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 147, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 147, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 147, 113);  
box-shadow:4px 4px 4px 4px rgb(46, 147,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6405, 0.2578, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 147, 113) }
```

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

```
.background{ background-color: rgb(46, 147,  
113) }
```

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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