

Converting Colors

$Y_{xy}(24.5028, 0.2699, 0.4043)$

Have a look what the booklet for
Yxy(24.5028, 0.2699, 0.4043)
contains.

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Color

$\text{Yxy}(24.5064, 0.2696, 0.4041)$

Conversions

Conversions Part 1

Format	Color
Hex	429772
RGB	66, 151, 114
RGB Percent	26%, 59%, 45%
CMY	0.7412, 0.4078, 0.5529
CMYK	0.56, 0.00, 0.25, 0.41
HSL	154°, 39%, 43%
HSV	154°, 56%, 59%
XYZ	16.3497, 24.5064, 19.7883
YIQ	121.3670, -38.7830, -29.5270

Conversions

Conversions Part 2

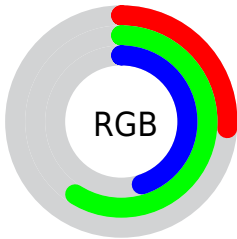
Format	Color
RYB	66, 120, 151
Decimal	4364146
CIELab	56.59, -34.82, 11.87
CIELCh	57, 36.787, 161.175
Yxy	24.5064, 0.2696, 0.4041
Android (android.graphics.Color)	4282554226 (0xFF429772)
YUV	121.3670, -3.6319, -48.5569
Hunter-Lab	49.5039, -27.6785, 10.9527

Details

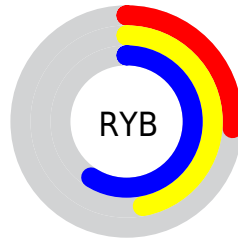
The Yxy color **24.5064, 0.2696, 0.4041** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4532, 0.4014, 0.2679**, and the grayscale version is **19.2659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9607, 0.2796, 0.3867**, and **9.3170, 0.2541, 0.4348** is the 20% darker color. If you saturate the color by 10%, you get **23.9061, 0.2656, 0.4205**, and if you desaturate by 10%, it is **25.2578, 0.2751, 0.3884**.

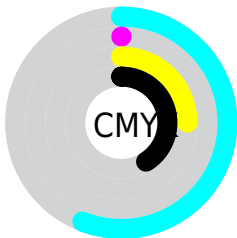
Distribution



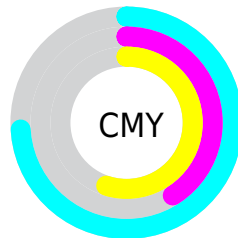
- Red (26%)
- Green (59%)
- Blue (45%)



- Red (26%)
- Yellow (47%)
- Blue (59%)



- Cyan (56%)
- Magenta (0%)
- Yellow (25%)
- Black (41%)



- Cyan (74%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5064, 0.2696, 0.4041 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 24.5064, 0.2696, 0.4041 by changing the saturation by 10% instead.


 24.5064, 0.2696,
0.4041


 24.5064, 0.2696,
0.4041


275.3708, 0.2943,
0.3607


 15.7097, 0.2621,
0.4174


 50.8553, 0.2795,
0.3866

 9.3190, 0.2516,
0.4365


 69.1763, 0.2829,
0.3806


 4.9498, 0.2355,
0.4657

 91.4409, 0.2857,
0.3758

 2.2178, 0.2086,
0.5158

 118.0334, 0.2880,
0.3717

 0.7297, 0.0000,
1.0000

 149.3382, 0.2899,
0.3683

 0.0000, 0.0000,
0.0000

185.7398, 0.2916,

0.3654

227.6225, 0.2930,
0.3629

■ 24.5064, 0.2696,
0.4041

■ 24.5064, 0.2696,
0.4041

■ 23.9061, 0.2656,
0.4205

■ 25.2578, 0.2751,
0.3884

■ 23.4427, 0.2635,
0.4371

■ 26.1677, 0.2819,
0.3735

■ 23.1040, 0.2632,
0.4538

■ 27.2461, 0.2897,
0.3597

■ 22.8706, 0.2648,
0.4700

■ 28.5017, 0.2981,
0.3471

■ 22.7952, 0.2655,
0.4759

■ 29.9424, 0.3070,
0.3356

■ 31.5756, 0.3161,
0.3253

■ 33.4083, 0.3252,
0.3162

■ 35.4471, 0.3341,
0.3081

■ 37.6986, 0.3429,
0.3009

Harmonies

Analogous

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



24.5064, 0.3302, 0.4424



24.5064, 0.2696, 0.4041



24.5064, 0.2235, 0.3397

Triad

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



24.5064, 0.2696, 0.4041



24.5064, 0.2340, 0.2301



24.5064, 0.4383, 0.3575

Complementary

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



24.5064, 0.2696, 0.4041



11.4532, 0.4014, 0.2679

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.



24.5064, 0.4080, 0.3094



24.5064, 0.2696, 0.4041



24.5064, 0.2849, 0.2397

Square

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



24.5064, 0.2696, 0.4041



24.5064, 0.2054, 0.2427



24.5064, 0.3494, 0.2679



24.5064, 0.4299, 0.4045

Rectangle

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



24.5064, 0.2696, 0.4041



24.5064, 0.2060, 0.2979



24.5064, 0.3494, 0.2679



24.5064, 0.4324, 0.3412

Sweetspot

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



24.5074, 0.2696, 0.4041



50.7914, 0.2972, 0.3483



25.4855, 0.3394, 0.4863



11.4473, 0.2957, 0.3506



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.5074, 0.2696, 0.4041



42.5311, 0.2648, 0.4255



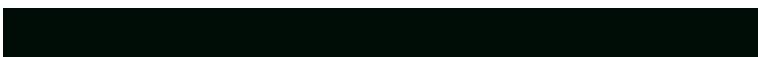
24.1831, 0.2417, 0.3207



6.9811, 0.3044, 0.3389



19.3969, 0.2653, 0.4749



0.2973, 0.2461, 0.4060

Inverse Universe

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



11.4532, 0.4014, 0.2679



16.6982, 0.4347, 0.2586



11.3826, 0.4713, 0.3363



6.2651, 0.3219, 0.3194



5.9345, 0.5181, 0.2628



0.0958, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 24.5064, 0.2696, 0.4041 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 24.5064, 0.2696, 0.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

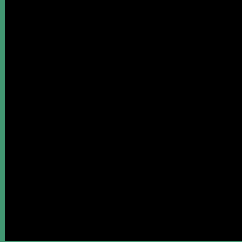
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5064, 0.2696, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 24.5064, 0.2696, 0.4041.



This preview shows how white text looks on a background with the Yxy color 24.5064, 0.2696, 0.4041.

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

24.5064, 0.2696, 0.4041

Protanopia

24.2978, 0.3547, 0.3785

Deuteranopia

24.1672, 0.3539, 0.3471



Tritanopia

24.3474, 0.2449, 0.3068

Trichromacy



Original Color

24.5064, 0.2696, 0.4041

Protanomaly

23.8669, 0.3174, 0.3887

Deuteranomaly

23.5989, 0.3164, 0.3674

Tritanomaly

24.2464, 0.2536, 0.3404

Monochromacy



Original Color

24.5064, 0.2696, 0.4041

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.5772, 0.2928, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5064, 0.2696, 0.4041 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(66, 151, 114)` looks like.

```
.text, #text, p{  
    color:rgb(66, 151, 114)  
}
```

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(66, 151, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 151, 114) }
```

Border

The CSS property to change the border of an element to Yxy 24.5064, 0.2696, 0.4041 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(66, 151, 114) }
```

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

```
.border{ border-color:rgb(66, 151, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 151, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 151, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 151, 114);  
box-shadow:4px 4px 4px 4px rgb(66, 151,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5064, 0.2696, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 151, 114) }
```

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

```
.background{ background-color: rgb(66, 151,  
114) }
```

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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