

Converting Colors

$Y_{xy}(20.4299, 0.2640, 0.4090)$

Have a look what the booklet for
Yxy(20.4299, 0.2640, 0.4090)
contains.

Yxy(20.4338, 0.2640, 0.4089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Yxy(20.4338, 0.2640, 0.4089)$

Conversions

Conversions Part 1

Format	Color
Hex	328C68
RGB	50, 140, 104
RGB Percent	20%, 55%, 41%
CMY	0.8039, 0.4510, 0.5921
CMYK	0.64, 0.00, 0.26, 0.45
HSL	156°, 47%, 37%
HSV	156°, 64%, 55%
XYZ	13.1928, 20.4338, 16.3460
YIQ	108.9860, -42.0840, -30.2760

Conversions

Conversions Part 2

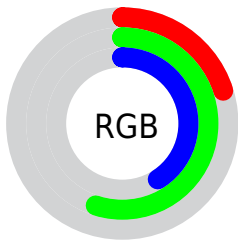
Format	Color
R _{YB}	50, 106, 140
Decimal	3312744
CIE _{Lab}	52.32, -35.62, 11.50
CIE _{LCh}	52, 37.430, 162.099
Y _{xy}	20.4338, 0.2640, 0.4089
Android (android.graphics.Color)	4281502824 (0xFF328C68)
YUV	108.9860, -2.4581, -51.7307
Hunter-Lab	45.2038, -27.0112, 10.2029

Details

The Yxy color **20.4338, 0.2640, 0.4089** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.5302, 0.4275, 0.2674**, and the grayscale version is **15.3063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0143, 0.2756, 0.3894**, and **7.4402, 0.2561, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **20.0214, 0.2611, 0.4240**, and if you desaturate by 10%, it is **20.9643, 0.2686, 0.3942**.

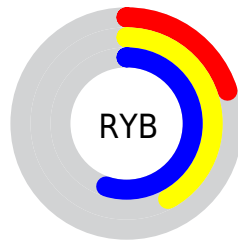
Distribution



Red (20%)

Green (55%)

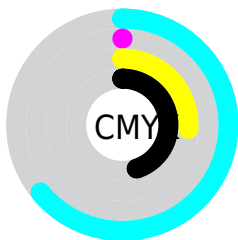
Blue (41%)



Red (20%)

Yellow (42%)

Blue (55%)

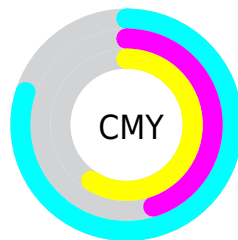


Cyan (64%)

Magenta (0%)

Yellow (26%)

Black (45%)



Cyan (80%)


Magenta (45%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4338, 0.2640, 0.4089 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 20.4338, 0.2640, 0.4089 by changing the saturation by 10% instead.


 20.4338, 0.2640,
0.4089


 20.4338, 0.2640,
0.4089


254.2539, 0.2926,
0.3615


 12.7108, 0.2550,
0.4242


 44.1433, 0.2756,
0.3894


 7.2297, 0.2419,
0.4467


 60.8985, 0.2796,
0.3828


 3.6062, 0.2214,
0.4826

 81.4333, 0.2828,
0.3775

 1.4558, 0.1666,
0.5677

 106.1320, 0.2854,
0.3732

 0.2573, 0.0000,
1.0000

 135.3790, 0.2877,
0.3695

 0.0000, 0.0000,
0.0000

 169.5588, 0.2895,

0.3665

209.0556, 0.2912,
0.3638

■ 20.4338, 0.2640,
0.4089

■ 20.4338, 0.2640,
0.4089

■ 20.0214, 0.2611,
0.4240

■ 20.9643, 0.2686,
0.3942

■ 19.7141, 0.2601,
0.4392

■ 21.6195, 0.2748,
0.3801

■ 19.4997, 0.2610,
0.4541

■ 22.4084, 0.2821,
0.3668

■ 19.3966, 0.2618,
0.4626

■ 23.3386, 0.2904,
0.3545

■ 24.4169, 0.2993,
0.3433

■ 25.6499, 0.3087,
0.3330

■ 27.0435, 0.3182,
0.3239

■ 28.6035, 0.3277,
0.3157

■ 30.3354, 0.3371,
0.3085

Harmonies

Analogous

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



20.4338, 0.3287, 0.4517



20.4338, 0.2640, 0.4089



20.4338, 0.2157, 0.3379

Triad

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



20.4338, 0.2640, 0.4089



20.4338, 0.2296, 0.2232



20.4338, 0.4486, 0.3602

Complementary

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



20.4338, 0.2640, 0.4089



8.5302, 0.4275, 0.2674

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.



20.4338, 0.4174, 0.3090



20.4338, 0.2640, 0.4089



20.4338, 0.2845, 0.2342

Square

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



20.4338, 0.2640, 0.4089



20.4338, 0.1985, 0.2354



20.4338, 0.3543, 0.2646



20.4338, 0.4377, 0.4105

Rectangle

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



20.4338, 0.2640, 0.4089



20.4338, 0.1978, 0.2929



20.4338, 0.3543, 0.2646



20.4338, 0.4428, 0.3428

Sweetspot

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



20.4346, 0.2640, 0.4089



42.0396, 0.2947, 0.3489



21.0378, 0.3372, 0.5092



9.5774, 0.2924, 0.3518



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.4346, 0.2640, 0.4089



35.0407, 0.2604, 0.4306



19.2112, 0.2342, 0.3132



5.6553, 0.3041, 0.3379



17.2384, 0.2616, 0.4619



0.1174, 0.2434, 0.3963

Inverse Universe

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



8.5302, 0.4275, 0.2674



12.3312, 0.4692, 0.2623



8.7834, 0.5012, 0.3418



5.0796, 0.3222, 0.3203



5.2115, 0.5312, 0.2700



0.0374, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 20.4338, 0.2640, 0.4089 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 20.4338, 0.2640, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

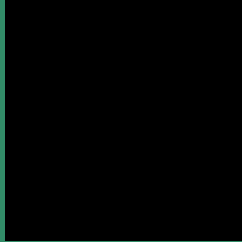
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4338, 0.2640, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 20.4338, 0.2640, 0.4089.

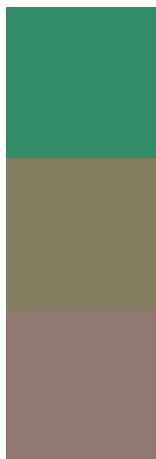


This preview shows how white text looks on a background with the Yxy color 20.4338, 0.2640, 0.4089.

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

20.4338, 0.2640, 0.4089

Protanopia

20.1654, 0.3556, 0.3807

Deuteranopia

20.0486, 0.3548, 0.3468



Tritanopia

20.4961, 0.2404, 0.3089

Trichromacy



Original Color

20.4338, 0.2640, 0.4089

Protanomaly

19.6909, 0.3131, 0.3924

Deuteranomaly

19.4915, 0.3132, 0.3689

Tritanomaly

20.4637, 0.2490, 0.3434

Monochromacy



Original Color

20.4338, 0.2640, 0.4089

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.5692, 0.2889, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4338, 0.2640, 0.4089 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(50, 140, 104)` looks like.

```
.text, #text, p{  
    color:rgb(50, 140, 104)  
}
```

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(50, 140, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 140, 104) }
```

Border

The CSS property to change the border of an element to Yxy 20.4338, 0.2640, 0.4089 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(50, 140, 104) }
```

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

```
.border{ border-color:rgb(50, 140, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 140, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 140, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 140, 104);  
box-shadow:4px 4px 4px 4px rgb(50, 140,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4338, 0.2640, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 140, 104) }
```

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

```
.background{ background-color: rgb(50, 140,  
104) }
```

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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