

Converting Colors

$Y_{xy}(20.4183, 0.2537, 0.3908)$

Have a look what the booklet for
Yxy(20.4183, 0.2537, 0.3908)
contains.

Yxy(20.4183, 0.2537, 0.3908)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4183, 0.2537, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	2A8C70
RGB	42, 140, 112
RGB Percent	16%, 55%, 44%
CMY	0.8356, 0.4509, 0.5607
CMYK	0.70, 0.00, 0.20, 0.45
HSL	163°, 54%, 36%
HSV	163°, 70%, 55%
XYZ	13.2552, 20.4183, 18.5740
YIQ	107.5060, -49.4200, -29.4840

Conversions

Conversions Part 2

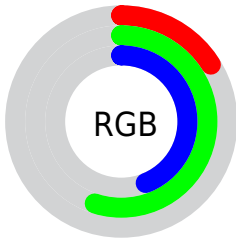
Format	Color
R_{YB}	42, 99, 140
Decimal	2788464
CIE _{Lab}	52.31, -35.14, 6.85
CIE _{LCh}	52, 35.798, 168.968
Yxy	20.4183, 0.2537, 0.3908
Android (android.graphics.Color)	4280978544 (0xFF2A8C70)
YUV	107.5060, 2.2155, -57.4488
Hunter-Lab	45.1866, -26.7149, 7.2595

Details

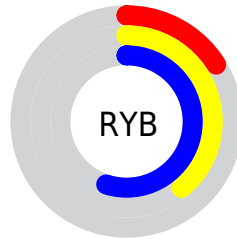
The Yxy color **20.4183, 0.2537, 0.3908** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.6671, 0.4720, 0.2840**, and the grayscale version is **14.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0306, 0.2672, 0.3752**, and **7.5149, 0.2488, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **20.0873, 0.2510, 0.4013**, and if you desaturate by 10%, it is **20.8580, 0.2583, 0.3805**.

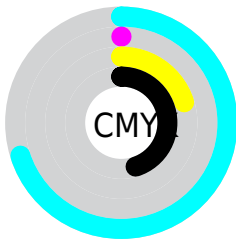
Distribution



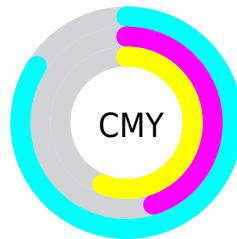
- Red (16%)
- Green (55%)
- Blue (44%)



- Red (16%)
- Yellow (39%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)





- Cyan (84%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4183, 0.2537, 0.3908 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 20.4183, 0.2537, 0.3908 by changing the saturation by 10% instead.


 20.4183, 0.2537,
0.3908


 20.4183, 0.2537,
0.3908


254.1707, 0.2876,
0.3546


 12.6995, 0.2433,
0.4022


 44.1174, 0.2673,
0.3761

 7.2219, 0.2287,
0.4188


 60.8664, 0.2720,
0.3710

 3.6013, 0.2063,
0.4449

 81.3944, 0.2758,
0.3670

 1.4531, 0.1510,
0.5019

 106.0855, 0.2790,
0.3636

 0.2554, 0.0000,
1.0000

 135.3244, 0.2817,
0.3608

 0.0000, 0.0000,
0.0000

 169.4952, 0.2839,

0.3585

208.9825, 0.2859,
0.3564

■ 20.4183, 0.2537,
0.3908

■ 20.4183, 0.2537,
0.3908

■ 20.0873, 0.2510,
0.4013

■ 20.8580, 0.2583,
0.3805

■ 19.8511, 0.2501,
0.4118

■ 21.4137, 0.2645,
0.3705

■ 19.6796, 0.2506,
0.4222

■ 22.0948, 0.2723,
0.3609

■ 22.9090, 0.2812,
0.3520

■ 23.8636, 0.2911,
0.3436

■ 24.9652, 0.3017,
0.3360

■ 26.2200, 0.3126,
0.3290

■ 27.6338, 0.3238,
0.3228

■ 29.2121, 0.3351,
0.3172

Harmonies

Analogous

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



20.4183, 0.3137, 0.4404



20.4183, 0.2537, 0.3908



20.4183, 0.2123, 0.3222

Triad

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



20.4183, 0.2537, 0.3908



20.4183, 0.2431, 0.2277



20.4183, 0.4440, 0.3710

Complementary

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



20.4183, 0.2537, 0.3908



7.6671, 0.4720, 0.2840

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.



20.4183, 0.4230, 0.3211



20.4183, 0.2537, 0.3908



20.4183, 0.3005, 0.2430

Square

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



20.4183, 0.2537, 0.3908



20.4183, 0.2075, 0.2343



20.4183, 0.3679, 0.2760



20.4183, 0.4253, 0.4176

Rectangle

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



20.4183, 0.2537, 0.3908



20.4183, 0.1990, 0.2820



20.4183, 0.3679, 0.2760



20.4183, 0.4416, 0.3543

Sweetspot

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



20.4191, 0.2537, 0.3908



41.8201, 0.2897, 0.3447



20.2777, 0.3256, 0.5317



9.5393, 0.2872, 0.3467



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.



20.4191, 0.2537, 0.3908



35.1534, 0.2503, 0.4073



15.9109, 0.2239, 0.2862



5.6647, 0.3027, 0.3353



17.4874, 0.2505, 0.4217



0.1187, 0.2372, 0.3737

Inverse Universe

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



7.6671, 0.4720, 0.2840



11.1798, 0.5287, 0.2857



9.1373, 0.5104, 0.3607



5.0705, 0.3239, 0.3228



5.0930, 0.5746, 0.2939



0.0361, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 20.4183, 0.2537, 0.3908 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 20.4183, 0.2537, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

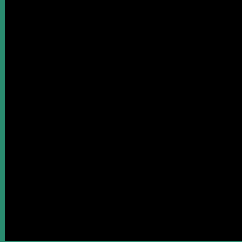
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4183, 0.2537, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 20.4183, 0.2537, 0.3908.



This preview shows how white text looks on a background with the Yxy color 20.4183, 0.2537, 0.3908.

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

20.4183, 0.2537, 0.3908

Protanopia

20.2401, 0.3448, 0.3660

Deuteranopia

20.1829, 0.3417, 0.3362



Tritanopia

20.3028, 0.2356, 0.3067

Trichromacy



Original Color

20.4183, 0.2537, 0.3908

Protanomaly

19.6794, 0.3015, 0.3760

Deuteranomaly

19.3596, 0.2989, 0.3530

Tritanomaly

20.3426, 0.2415, 0.3350

Monochromacy



Original Color

20.4183, 0.2537, 0.3908

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.1368, 0.2812, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4183, 0.2537, 0.3908 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(42, 140, 112)` looks like.

```
.text, #text, p{  
    color:rgb(42, 140, 112)  
}
```

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(42, 140, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 140, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.4183, 0.2537, 0.3908 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(42, 140, 112) }
```

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

```
.border{ border-color:rgb(42, 140, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 140, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 140, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 140, 112);  
box-shadow:4px 4px 4px 4px rgb(42, 140,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4183, 0.2537, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 140, 112) }
```

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

```
.background{ background-color: rgb(42, 140,  
112) }
```

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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