

Converting Colors

$Y_{xy}(20.5289, 0.2816, 0.4164)$

Have a look what the booklet for
Yxy(20.5289, 0.2816, 0.4164)
contains.

Yxy(20.6123, 0.2817, 0.4181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6123, 0.2817, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	458B62
RGB	69, 139, 98
RGB Percent	27%, 55%, 38%
CMY	0.7297, 0.4549, 0.6157
CMYK	0.50, 0.00, 0.30, 0.45
HSL	145°, 34%, 41%
HSV	145°, 50%, 55%
XYZ	13.8878, 20.6123, 14.7998
YIQ	113.3960, -28.5590, -27.5910

Conversions

Conversions Part 2

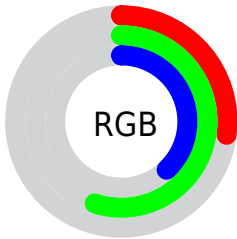
Format	Color
RYB	69, 118, 139
Decimal	4557666
CIELab	52.52, -32.00, 15.31
CIELCh	53, 35.478, 154.435
Yxy	20.6123, 0.2817, 0.4181
Android (android.graphics.Color)	4282747746 (0xFF458B62)
YUV	113.3960, -7.5902, -38.9353
Hunter-Lab	45.4008, -24.8494, 12.4531

Details

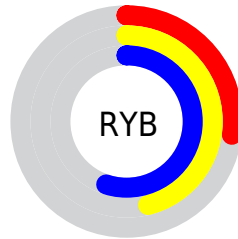
The Yxy color **20.6123, 0.2817, 0.4181** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.8633, 0.3670, 0.2558**, and the grayscale version is **16.6625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4474, 0.2897, 0.3959**, and **7.2765, 0.2660, 0.4608** is the 20% darker color. If you saturate the color by 10%, you get **20.0175, 0.2780, 0.4399**, and if you desaturate by 10%, it is **21.3435, 0.2866, 0.3973**.

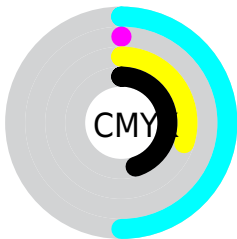
Distribution



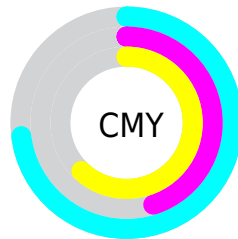
- Red (27%)
- Green (55%)
- Blue (38%)



- Red (27%)
- Yellow (46%)
- Blue (55%)



- Cyan (50%)
- Magenta (0%)
- Yellow (30%)
- Black (45%)





- Cyan (73%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6123, 0.2817, 0.4181 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 20.6123, 0.2817, 0.4181 by changing the saturation by 10% instead.


 20.6123, 0.2817,
0.4181


 20.6123, 0.2817,
0.4181


255.2108, 0.3005,
0.3651


 12.8409, 0.2754,
0.4353


 44.4414, 0.2896,
0.3962

 7.3191, 0.2660,
0.4606


 61.2679, 0.2922,
0.3889

 3.6624, 0.2505,
0.5010

 81.8815, 0.2943,
0.3830

 1.4866, 0.2179,
0.6038

 106.6667, 0.2960,
0.3781

 0.2793, 0.0000,
1.0000

 136.0078, 0.2974,
0.3740

 0.0000, 0.0000,
0.0000

170.2893, 0.2986,

0.3706

209.8955, 0.2996,
0.3677

■ 20.6123, 0.2817,
0.4181

■ 20.6123, 0.2817,
0.4181

■ 20.0175, 0.2780,
0.4399

■ 21.3435, 0.2866,
0.3973

■ 19.5476, 0.2758,
0.4621

■ 22.2166, 0.2924,
0.3779

■ 19.1935, 0.2753,
0.4842

■ 23.2399, 0.2988,
0.3601

■ 18.9435, 0.2766,
0.5052

■ 24.4204, 0.3055,
0.3440

■ 18.7704, 0.2789,
0.5242

■ 25.7643, 0.3124,
0.3296

■ 27.2780, 0.3193,
0.3167

■ 28.9670, 0.3261,
0.3054

■ 30.8370, 0.3326,
0.2955

■ 32.8931, 0.3389,
0.2868

Harmonies

Analogous

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



20.6123, 0.3446, 0.4478



20.6123, 0.2817, 0.4181



20.6123, 0.2303, 0.3553

Triad

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



20.6123, 0.2817, 0.4181



20.6123, 0.2238, 0.2290



20.6123, 0.4374, 0.3466

Complementary

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



20.6123, 0.2817, 0.4181



10.8633, 0.3670, 0.2558

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.



20.6123, 0.3984, 0.2986



20.6123, 0.2817, 0.4181



20.6123, 0.2709, 0.2341

Square

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



20.6123, 0.2817, 0.4181



20.6123, 0.2003, 0.2472



20.6123, 0.3350, 0.2588



20.6123, 0.4375, 0.3956

Rectangle

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



20.6123, 0.2817, 0.4181



20.6123, 0.2086, 0.3107



20.6123, 0.3350, 0.2588



20.6123, 0.4284, 0.3301

Sweetspot

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



20.6131, 0.2817, 0.4181



42.6498, 0.3022, 0.3517



22.2757, 0.3500, 0.4625



9.7378, 0.3009, 0.3547



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.



20.6131, 0.2817, 0.4181



35.7573, 0.2777, 0.4419



21.3975, 0.2541, 0.3431



5.6404, 0.3064, 0.3421



16.9414, 0.2787, 0.5234



0.1153, 0.2557, 0.4407

Inverse Universe

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



10.8633, 0.3670, 0.2558



16.2968, 0.3846, 0.2424



10.2595, 0.4344, 0.3166



5.0945, 0.3196, 0.3163



5.4986, 0.4554, 0.2283



0.0395, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 20.6123, 0.2817, 0.4181 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 20.6123, 0.2817, 0.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

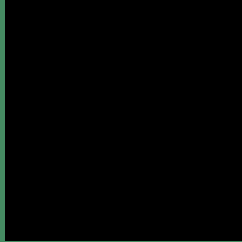
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6123, 0.2817, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 20.6123, 0.2817, 0.4181.



This preview shows how white text looks on a background with the Yxy color 20.6123, 0.2817, 0.4181.

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

20.6123, 0.2817, 0.4181

Protanopia

20.4909, 0.3637, 0.3911

Deuteranopia

20.3215, 0.3659, 0.3607



Tritanopia

20.5380, 0.2517, 0.3074

Trichromacy



Original Color

20.6123, 0.2817, 0.4181

Protanomaly

20.0884, 0.3279, 0.4008

Deuteranomaly

19.9002, 0.3296, 0.3797

Tritanomaly

20.4380, 0.2628, 0.3453

Monochromacy



Original Color

20.6123, 0.2817, 0.4181

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.5432, 0.2982, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6123, 0.2817, 0.4181 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(69, 139, 98)` looks like.

```
.text, #text, p{  
    color:rgb(69, 139, 98)  
}
```

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(69, 139, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 139, 98) }
```

Border

The CSS property to change the border of an element to Yxy 20.6123, 0.2817, 0.4181 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(69, 139, 98) }
```

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

```
.border{ border-color:rgb(69, 139, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 139, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 139, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 139, 98);  
box-shadow:4px 4px 4px 4px rgb(69, 139,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6123, 0.2817, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 139, 98) }
```

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

```
.background{ background-color: rgb(69, 139,  
98) }
```

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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