

Converting Colors

$Y_{xy}(20.5887, 0.3831, 0.5216)$

Have a look what the booklet for
Yxy(20.5887, 0.3831, 0.5216)
contains.

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Color

Yxy(20.6866, 0.3834, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	6E8712
RGB	110, 135, 18
RGB Percent	43%, 53%, 7%
CMY	0.5687, 0.4706, 0.9295
CMYK	0.19, 0.00, 0.87, 0.47
HSL	73°, 76%, 30%
HSV	73°, 87%, 53%
XYZ	15.2027, 20.6866, 3.7630
YIQ	114.1870, 22.6570, -41.6870

Conversions

Conversions Part 2

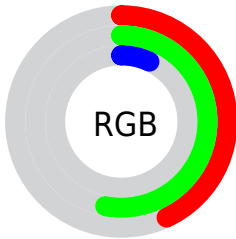
Format	Color
R_{YB}	18, 135, 43
Decimal	7243538
CIE _{Lab}	52.60, -24.30, 53.14
CIE _{LCh}	53, 58.430, 114.572
Yxy	20.6866, 0.3834, 0.5217
Android (android.graphics.Color)	4285433618 (0xFF6E8712)
YUV	114.1870, -47.4202, -3.6720
Hunter-Lab	45.4825, -19.9302, 26.9324

Details

The Yxy color **20.6866, 0.3834, 0.5217** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.6951, 0.1777, 0.0857**, and the grayscale version is **17.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4738, 0.3753, 0.4800**, and **7.3965, 0.3684, 0.5457** is the 20% darker color. If you saturate the color by 10%, you get **20.4716, 0.3831, 0.5312**, and if you desaturate by 10%, it is **20.9335, 0.3815, 0.5082**.

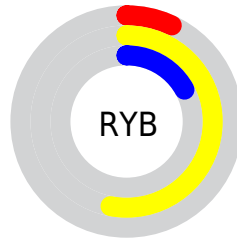
Distribution



Red (43%)

Green (53%)

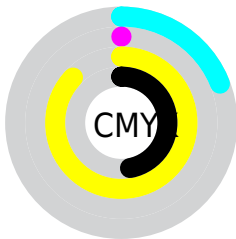
Blue (7%)



Red (7%)

Yellow (53%)

Blue (17%)

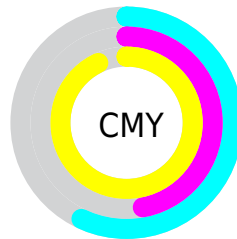


Cyan (19%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (57%)


Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6866, 0.3834, 0.5217 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 20.6866, 0.3834, 0.5217 by changing the saturation by 10% instead.


 20.6866, 0.3834,
0.5217

 20.6866, 0.3834,
0.5217


 255.6082, 0.3520,
0.4129


 12.8951, 0.3860,
0.5501


 44.5654, 0.3747,
0.4802


 7.3564, 0.3895,
0.5932


 61.4214, 0.3705,
0.4650

 3.6859, 0.3718,
0.6282

 82.0678, 0.3665,
0.4525

 1.4995, 0.3284,
0.6716

 106.8889, 0.3630,
0.4419

 0.2884, 0.0000,
1.0000


 136.2691, 0.3598,
0.4330

 0.0000, 0.0000,
0.0000


 170.5928, 0.3569,


0.4253


 210.2444, 0.3543,
0.4187


 20.6866, 0.3834,
0.5217


 20.6866, 0.3834,
0.5217


 20.4716, 0.3831,
0.5312

 20.9335, 0.3815,
0.5082

 20.4026, 0.3829,
0.5342

 21.2156, 0.3772,
0.4906

 21.5371, 0.3706,
0.4696

 21.9009, 0.3623,
0.4459

 22.3096, 0.3526,
0.4207

■ 22.7657, 0.3420,
0.3950

■ 23.2713, 0.3310,
0.3695

■ 23.8284, 0.3200,
0.3448

■ 24.4391, 0.3092,
0.3214

Harmonies

Analogous

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



20.6866, 0.4678, 0.4656



20.6866, 0.3834, 0.5217



20.6866, 0.2868, 0.5110

Triad

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



20.6866, 0.3834, 0.5217



20.6866, 0.1415, 0.2144



20.6866, 0.4201, 0.2579

Complementary

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



20.6866, 0.3834, 0.5217



2.6951, 0.1777, 0.0857

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.



20.6866, 0.3096, 0.2081



20.6866, 0.3834, 0.5217



20.6866, 0.1629, 0.1814

Square

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



20.6866, 0.3834, 0.5217



20.6866, 0.1529, 0.2914



20.6866, 0.2183, 0.1812



20.6866, 0.5023, 0.3219

Rectangle

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



20.6866, 0.3834, 0.5217



20.6866, 0.2274, 0.4509



20.6866, 0.2183, 0.1812



20.6866, 0.3836, 0.2392

Sweetspot

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



20.6875, 0.3834, 0.5217



40.7737, 0.3419, 0.3947



6.8079, 0.5733, 0.3578



9.3840, 0.3452, 0.4025



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.6875, 0.3834, 0.5217



36.4634, 0.3821, 0.5348



18.1324, 0.3211, 0.5682



5.3742, 0.3227, 0.3507



18.8180, 0.3831, 0.5341



0.0683, 0.4014, 0.5195

Inverse Universe

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



2.6951, 0.1777, 0.0857



3.5373, 0.1613, 0.0662



4.8851, 0.2583, 0.1283



4.5890, 0.3022, 0.3068



1.8571, 0.1631, 0.0672



0.0091, 0.2003, 0.0877

Previews

White Background



This preview shows how the Yxy color 20.6866, 0.3834, 0.5217 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 20.6866, 0.3834, 0.5217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

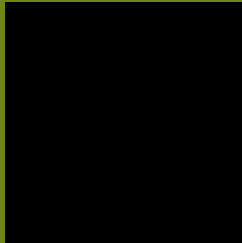
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6866, 0.3834, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 20.6866, 0.3834, 0.5217.



This preview shows how white text looks on a background with the Yxy color 20.6866, 0.3834, 0.5217.

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

20.6866, 0.3834, 0.5217

Protanopia

20.6189, 0.4350, 0.4839

Deuteranopia

20.5515, 0.4598, 0.4517



Tritanopia

20.7642, 0.2962, 0.3108

Trichromacy



Original Color

20.6866, 0.3834, 0.5217

Protanomaly

20.4838, 0.4165, 0.4975

Deuteranomaly

20.4001, 0.4323, 0.4769

Tritanomaly

20.2727, 0.3378, 0.3991

Monochromacy



Original Color

20.6866, 0.3834, 0.5217

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.9943, 0.3510, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6866, 0.3834, 0.5217 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(110, 135, 18)` looks like.

```
.text, #text, p{  
    color:rgb(110, 135, 18)  
}
```

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(110, 135, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 135, 18) }
```

Border

The CSS property to change the border of an element to Yxy 20.6866, 0.3834, 0.5217 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(110, 135, 18) }
```

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

```
.border{ border-color:rgb(110, 135, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 135, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 135, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 135, 18);  
box-shadow:4px 4px 4px 4px rgb(110, 135,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6866, 0.3834, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 135, 18) }
```

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

```
.background{ background-color: rgb(110,  
135, 18) }
```

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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