

Converting Colors

$Y_{xy}(20.1221, 0.3114, 0.4280)$

Have a look what the booklet for
Yxy(20.1221, 0.3114, 0.4280)
contains.

Yxy(20.2567, 0.3112, 0.4277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2567, 0.3112, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	5B8758
RGB	91, 135, 88
RGB Percent	36%, 53%, 35%
CMY	0.6432, 0.4706, 0.6549
CMYK	0.33, 0.00, 0.35, 0.47
HSL	116°, 21%, 44%
HSV	116°, 35%, 53%
XYZ	14.7390, 20.2567, 12.3662
YIQ	116.4860, -11.1370, -23.9450

Conversions

Conversions Part 2

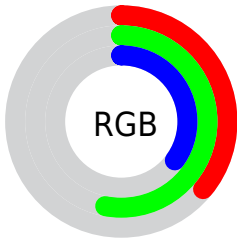
Format	Color
R_{YB}	88, 135, 132
Decimal	5998424
CIE _{Lab}	52.13, -25.02, 20.60
CIE _{LCh}	52, 32.413, 140.531
Yxy	20.2567, 0.3112, 0.4277
Android (android.graphics.Color)	4284188504 (0xFF5B8758)
YUV	116.4860, -14.0436, -22.3512
Hunter-Lab	45.0074, -20.3079, 15.2147

Details

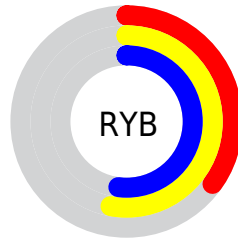
The Yxy color **20.2567, 0.3112, 0.4277** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.6367, 0.3123, 0.2450**, and the grayscale version is **17.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0698, 0.3131, 0.4045**, and **7.1564, 0.3059, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **19.4649, 0.3102, 0.4614**, and if you desaturate by 10%, it is **21.1999, 0.3119, 0.3958**.

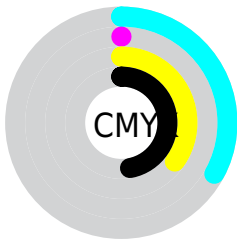
Distribution



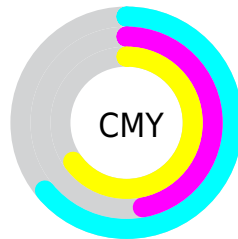
- Red (36%)
- Green (53%)
- Blue (35%)



- Red (35%)
- Yellow (53%)
- Blue (52%)



- Cyan (33%)
- Magenta (0%)
- Yellow (35%)
- Black (47%)



- Cyan (64%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2567, 0.3112, 0.4277 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 20.2567, 0.3112, 0.4277 by changing the saturation by 10% instead.

■ 20.2567, 0.3112,
0.4277

■ 20.2567, 0.3112,
0.4277

■ 253.3014, 0.3135,
0.3690

■ 12.5818, 0.3096,
0.4466

■ 43.8471, 0.3127,
0.4036

■ 7.1412, 0.3065,
0.4742

■ 60.5315, 0.3130,
0.3954

■ 3.5506, 0.2998,
0.5178

■ 80.9877, 0.3132,
0.3888

■ 1.4255, 0.3150,
0.6750

■ 105.6002, 0.3133,
0.3835

■ 0.2354, 0.0000,
1.0000

■ 134.7535, 0.3134,
0.3790

■ 0.0000, 0.0000,
0.0000

168.8318, 0.3135,

0.3752

208.2197, 0.3135,
0.3719

■ 20.2567, 0.3112,
0.4277

■ 20.2567, 0.3112,
0.4277

■ 19.4649, 0.3102,
0.4614

■ 21.1999, 0.3119,
0.3958

■ 18.8142, 0.3090,
0.4954

■ 22.2991, 0.3124,
0.3666

■ 18.2971, 0.3075,
0.5278

■ 23.5619, 0.3126,
0.3405


■ 17.9043, 0.3057,
0.5560

■ 24.9946, 0.3128,
0.3174


■ 17.6253, 0.3039,
0.5780


■ 26.6031, 0.3128,
0.2973


 17.4473, 0.3023,
0.5925

 28.3931, 0.3127,
0.2798

 17.3847, 0.3020,
0.5984

 30.3701, 0.3126,
0.2647

 32.5393, 0.3124,
0.2516

 34.9056, 0.3122,
0.2403

Harmonies

Analogous

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



20.2567, 0.3690, 0.4370



20.2567, 0.3112, 0.4277



20.2567, 0.2567, 0.3817

Triad

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



20.2567, 0.3112, 0.4277



20.2567, 0.2172, 0.2415



20.2567, 0.4147, 0.3248

Complementary

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



20.2567, 0.3112, 0.4277



13.6367, 0.3123, 0.2450

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.



20.2567, 0.3661, 0.2825



20.2567, 0.3112, 0.4277



20.2567, 0.2515, 0.2361

Square

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



20.2567, 0.3112, 0.4277



20.2567, 0.2061, 0.2697



20.2567, 0.3050, 0.2511



20.2567, 0.4322, 0.3710

Rectangle

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



20.2567, 0.3112, 0.4277



20.2567, 0.2294, 0.3407



20.2567, 0.3050, 0.2511



20.2567, 0.4012, 0.3099

Sweetspot

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



20.2576, 0.3112, 0.4277



40.9312, 0.3125, 0.3542



22.3237, 0.3647, 0.4074



9.4160, 0.3125, 0.3575



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.



20.2576, 0.3112, 0.4277



35.1013, 0.3104, 0.4550



20.4949, 0.2890, 0.3842



5.2178, 0.3125, 0.3513



16.0319, 0.3020, 0.5984



0.0564, 0.3113, 0.5910

Inverse Universe

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



13.6367, 0.3123, 0.2450



21.3322, 0.3119, 0.2260



13.3609, 0.3468, 0.2799



4.7482, 0.3128, 0.3075



5.7354, 0.3055, 0.1457



0.0210, 0.3137, 0.1502

Previews

White Background



This preview shows how the Yxy color 20.2567, 0.3112, 0.4277 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 20.2567, 0.3112, 0.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

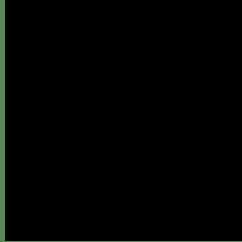
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2567, 0.3112, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 20.2567, 0.3112, 0.4277.



This preview shows how white text looks on a background with the Yxy color 20.2567, 0.3112, 0.4277.

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

20.2567, 0.3112, 0.4277

Protanopia

20.1082, 0.3736, 0.4038

Deuteranopia

20.0774, 0.3818, 0.3761



Tritanopia

20.2739, 0.2715, 0.3098

Trichromacy



Original Color

20.2567, 0.3112, 0.4277

Protanomaly

19.9458, 0.3482, 0.4127

Deuteranomaly

19.8582, 0.3532, 0.3934

Tritanomaly

20.1301, 0.2866, 0.3510

Monochromacy



Original Color

20.2567, 0.3112, 0.4277

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3323, 0.3123, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2567, 0.3112, 0.4277 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(91, 135, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 135, 88)  
}
```

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(91, 135, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 135, 88) }
```

Border

The CSS property to change the border of an element to Yxy 20.2567, 0.3112, 0.4277 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(91, 135, 88) }
```

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

```
.border{ border-color:rgb(91, 135, 88) }
```

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

Here you see how a box with a 4 pixel rgb(91, 135, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 135, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 135, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 135,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2567, 0.3112, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 135, 88) }
```

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

```
.background{ background-color: rgb(91, 135,  
88) }
```

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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