

Converting Colors

$Y_{xy}(20.2800, 0.3264, 0.4559)$

Have a look what the booklet for
Yxy(20.2800, 0.3264, 0.4559)
contains.

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Color

$\text{Yxy}(20.1495, 0.3263, 0.4562)$

Conversions

Conversions Part 1

Format	Color
Hex	5D874A
RGB	93, 135, 74
RGB Percent	36%, 53%, 29%
CMY	0.6354, 0.4706, 0.7098
CMYK	0.31, 0.00, 0.45, 0.47
HSL	101°, 29%, 41%
HSV	101°, 45%, 53%
XYZ	14.4121, 20.1495, 9.6066
YIQ	115.4880, -5.4510, -27.8750

Conversions

Conversions Part 2

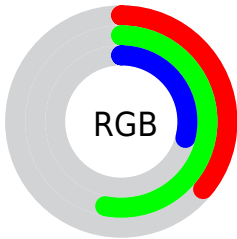
Format	Color
RYB	74, 135, 116
Decimal	6129482
CIELab	52.01, -26.50, 28.22
CIELCh	52, 38.712, 133.209
Yxy	20.1495, 0.3263, 0.4562
Android (android.graphics.Color)	4284319562 (0xFF5D874A)
YUV	115.4880, -20.4536, -19.7220
Hunter-Lab	44.8882, -21.2441, 18.7330

Details

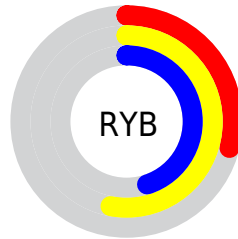
The Yxy color $20.1495, 0.3263, 0.4562$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.3608, 0.2888, 0.2133$, and the grayscale version is $17.3638, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8702, 0.3249, 0.4253$, and $7.1163, 0.3247, 0.5139$ is the 20% darker color. If you saturate the color by 10%, you get $19.5315, 0.3274, 0.4874$, and if you desaturate by 10%, it is $20.8673, 0.3242, 0.4250$.

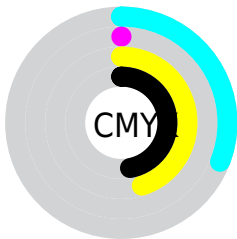
Distribution



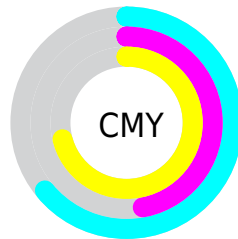
- Red (36%)
- Green (53%)
- Blue (29%)



- Red (29%)
- Yellow (53%)
- Blue (45%)



- Cyan (31%)
- Magenta (0%)
- Yellow (45%)
- Black (47%)





- Cyan (64%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1495, 0.3263, 0.4562 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 20.1495, 0.3263, 0.4562 by changing the saturation by 10% instead.


 20.1495, 0.3263,
0.4562


 20.1495, 0.3263,
0.4562


252.7233, 0.3211,
0.3805


 12.5038, 0.3262,
0.4803


 43.6677, 0.3252,
0.4251

 7.0877, 0.3245,
0.5150


 60.3089, 0.3244,
0.4146

 3.5170, 0.3193,
0.5704

 80.7175, 0.3238,
0.4061

 1.4072, 0.3046,
0.6954

 105.2777, 0.3231,
0.3992

 0.2221, 0.0000,
1.0000

 134.3740, 0.3225,
0.3933

 0.0000, 0.0000,
0.0000

168.3908, 0.3220,

0.3884

207.7124, 0.3215,
0.3842

■ 20.1495, 0.3263,
0.4562

■ 20.1495, 0.3263,
0.4562

■ 19.5315, 0.3274,
0.4874

■ 20.8673, 0.3242,
0.4250

■ 19.0061, 0.3273,
0.5170

■ 21.6867, 0.3214,
0.3951

■ 18.5691, 0.3257,
0.5434


■ 22.6125, 0.3181,
0.3670

■ 18.2149, 0.3227,
0.5648

■ 23.6485, 0.3146,
0.3414

■ 17.9363, 0.3186,
0.5802

■ 24.7983, 0.3110,
0.3182

 17.8225, 0.3167,
0.5867

 26.0654, 0.3074,
0.2975

 27.4531, 0.3039,
0.2791

 28.9644, 0.3006,
0.2629

 30.6025, 0.2975,
0.2485

Harmonies

Analogous

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



20.1495, 0.3928, 0.4531



20.1495, 0.3263, 0.4562



20.1495, 0.2597, 0.4099

Triad

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



20.1495, 0.3263, 0.4562



20.1495, 0.1954, 0.2311



20.1495, 0.4234, 0.3099

Complementary

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



20.1495, 0.3263, 0.4562



10.3608, 0.2888, 0.2133

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.



20.1495, 0.3585, 0.2639



20.1495, 0.3263, 0.4562



20.1495, 0.2283, 0.2197

Square

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



20.1495, 0.3263, 0.4562



20.1495, 0.1892, 0.2697



20.1495, 0.2858, 0.2319



20.1495, 0.4542, 0.3627

Rectangle

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



20.1495, 0.3263, 0.4562



20.1495, 0.2243, 0.3607



20.1495, 0.2858, 0.2319



20.1495, 0.4044, 0.2934

Sweetspot

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



20.1504, 0.3263, 0.4562



40.6447, 0.3178, 0.3647



18.0645, 0.3914, 0.4055



9.3355, 0.3185, 0.3698



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.



20.1504, 0.3263, 0.4562



34.9712, 0.3274, 0.4874



19.4445, 0.2967, 0.4392



5.2699, 0.3160, 0.3511



16.4390, 0.3169, 0.5866



0.0605, 0.3490, 0.5611

Inverse Universe

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



10.3608, 0.2888, 0.2133



15.1549, 0.2815, 0.1880



11.4988, 0.3351, 0.2398



4.6921, 0.3091, 0.3073



3.7662, 0.2457, 0.1127



0.0169, 0.2821, 0.1328

Previews

White Background



This preview shows how the Yxy color 20.1495, 0.3263, 0.4562 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 20.1495, 0.3263, 0.4562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

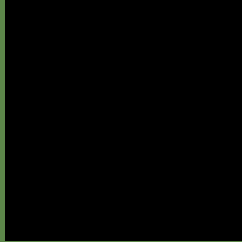
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1495, 0.3263, 0.4562

Background



This preview shows how black text looks on a background with the Yxy color 20.1495, 0.3263, 0.4562.



This preview shows how white text looks on a background with the Yxy color 20.1495, 0.3263, 0.4562.

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

20.1495, 0.3263, 0.4562

Protanopia

20.0917, 0.3908, 0.4252

Deuteranopia

19.8965, 0.4039, 0.3969



Tritanopia

20.1569, 0.2752, 0.3099

Trichromacy



Original Color

20.1495, 0.3263, 0.4562

Protanomaly

19.8863, 0.3656, 0.4379

Deuteranomaly

19.6183, 0.3737, 0.4165

Tritanomaly

20.1231, 0.2935, 0.3611

Monochromacy



Original Color

20.1495, 0.3263, 0.4562

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.9650, 0.3192, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1495, 0.3263, 0.4562 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(93, 135, 74)` looks like.

```
.text, #text, p{  
    color:rgb(93, 135, 74)  
}
```

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(93, 135, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 135, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.1495, 0.3263, 0.4562 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(93, 135, 74) }
```

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

```
.border{ border-color:rgb(93, 135, 74) }
```

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

Here you see how a box with a 4 pixel rgb(93, 135, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 135, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 135, 74);  
box-shadow:4px 4px 4px 4px rgb(93, 135,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1495, 0.3263, 0.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 135, 74) }
```

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

```
.background{ background-color: rgb(93, 135,  
74) }
```

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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