

Converting Colors

$Y_{xy}(22.0569, 0.3247, 0.3529)$

Have a look what the booklet for
Yxy(22.0569, 0.3247, 0.3529)
contains.

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Color

Yxy(22.1841, 0.3256, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	818375
RGB	129, 131, 117
RGB Percent	51%, 51%, 46%
CMY	0.4940, 0.4863, 0.5413
CMYK	0.02, 0.00, 0.11, 0.49
HSL	68°, 6%, 49%
HSV	68°, 11%, 51%
XYZ	20.3813, 22.1841, 20.0308
YIQ	128.8060, 3.3020, -4.7780

Conversions

Conversions Part 2

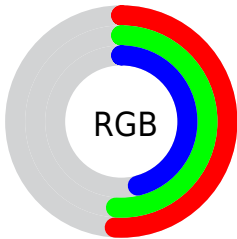
Format	Color
R_{YB}	117, 131, 119
Decimal	8487797
CIE Lab	54.22, -3.41, 7.32
CIE LCh	54, 8.078, 114.945
Yxy	22.1841, 0.3256, 0.3544
Android (android.graphics.Color)	4286677877 (0xFF818375)
YUV	128.8060, -5.8204, 0.1701
Hunter-Lab	47.1000, -5.1837, 7.7550

Details

The Yxy color $22.1841, 0.3256, 0.3544$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $18.2759, 0.2991, 0.3027$, and the grayscale version is $21.9023, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0906, 0.3229, 0.3488$, and $8.1697, 0.3305, 0.3649$ is the 20% darker color. If you saturate the color by 10%, you get $21.7544, 0.3378, 0.3791$, and if you desaturate by 10%, it is $22.6615, 0.3135, 0.3306$.

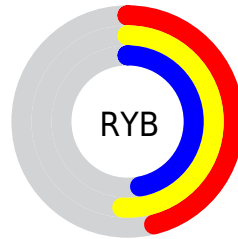
Distribution



Red (51%)

Green (51%)

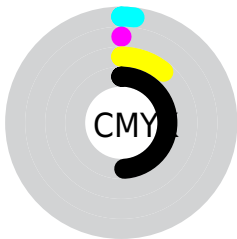
Blue (46%)



Red (46%)

Yellow (51%)

Blue (47%)

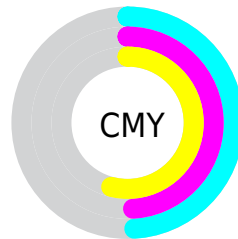


Cyan (2%)

Magenta (0%)

Yellow (11%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1841, 0.3256, 0.3544 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 22.1841, 0.3256, 0.3544 by changing the saturation by 10% instead.

■ 22.1841, 0.3256,
0.3544

■ 22.1841, 0.3256,
0.3544

■ 263.5062, 0.3184,
0.3400

■ 13.9922, 0.3277,
0.3587

■ 47.0501, 0.3228,
0.3487

■ 8.1153, 0.3306,
0.3648

■ 64.4930, 0.3218,
0.3467

■ 4.1688, 0.3348,
0.3739

■ 85.7884, 0.3210,
0.3451

■ 1.7684, 0.3417,
0.3893

■ 111.3206, 0.3203,
0.3437

■ 0.4674, 0.4358,
0.5642

■ 141.4741, 0.3197,
0.3426

■ 0.0000, 0.0000,
0.0000

176.6333, 0.3192,

0.3416

217.1825, 0.3188,
0.3408

■ 22.1841, 0.3256,
0.3544

■ 22.1841, 0.3256,
0.3544

■ 21.7544, 0.3378,
0.3791

■ 22.6615, 0.3135,
0.3306

■ 21.3677, 0.3499,
0.4042

■ 23.1854, 0.3019,
0.3082

■ 21.0230, 0.3614,
0.4290

■ 23.7583, 0.2909,
0.2872

■ 20.7184, 0.3719,
0.4525

■ 24.3818, 0.2806,
0.2679

■ 20.4514, 0.3808,
0.4739

■ 25.0573, 0.2711,
0.2503

■ 20.2197, 0.3878,
0.4922

■ 25.7863, 0.2623,
0.2342

■ 20.0203, 0.3924,
0.5068

■ 26.5700, 0.2542,
0.2197

■ 19.8501, 0.3946,
0.5171

■ 27.4098, 0.2468,
0.2066

■ 19.7085, 0.3953,
0.5243

■ 28.3069, 0.2401,
0.1948

Harmonies

Analogous

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



22.1841, 0.3367, 0.3517



22.1841, 0.3256, 0.3544



22.1841, 0.3113, 0.3499

Triad

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



22.1841, 0.3256, 0.3544



22.1841, 0.2849, 0.3140



22.1841, 0.3279, 0.3188

Complementary

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



22.1841, 0.3256, 0.3544



18.2759, 0.2991, 0.3027

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.



22.1841, 0.3137, 0.3093



22.1841, 0.3256, 0.3544



22.1841, 0.2891, 0.3063

Square

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



22.1841, 0.3256, 0.3544



22.1841, 0.2880, 0.3261



22.1841, 0.2995, 0.3047



22.1841, 0.3381, 0.3311

Rectangle

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



22.1841, 0.3256, 0.3544



22.1841, 0.3018, 0.3434



22.1841, 0.2995, 0.3047



22.1841, 0.3234, 0.3152

Sweetspot

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



22.1851, 0.3256, 0.3544



40.3722, 0.3164, 0.3361



19.2670, 0.3304, 0.3325



9.3844, 0.3173, 0.3379



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.1851, 0.3256, 0.3544



39.5205, 0.3288, 0.3608



21.6630, 0.3174, 0.3550



5.3906, 0.3237, 0.3506



19.4007, 0.3953, 0.5243



0.0695, 0.4078, 0.5144

Inverse Universe

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



18.2759, 0.2991, 0.3027



30.9698, 0.2954, 0.2958



18.7815, 0.3075, 0.3033



4.5738, 0.3012, 0.3067



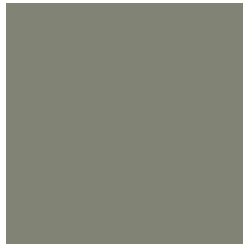
1.7455, 0.1572, 0.0640



0.0079, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 22.1841, 0.3256, 0.3544 looks on a white background.

Color Contrast Check

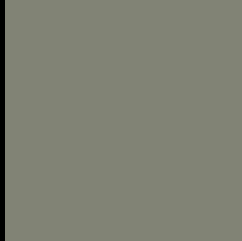
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1841, 0.3256, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

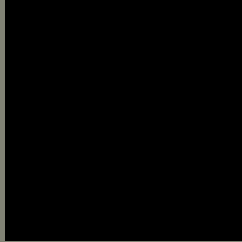
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

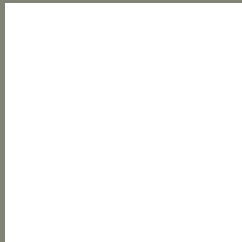
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1841, 0.3256, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 22.1841, 0.3256, 0.3544.



This preview shows how white text looks on a background with the Yxy color 22.1841, 0.3256, 0.3544.

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

22.1841, 0.3256, 0.3544

Protanopia

22.1124, 0.3344, 0.3522

Deuteranopia

22.0862, 0.3468, 0.3410



Tritanopia

22.1789, 0.3066, 0.3116

Trichromacy



Original Color

22.1841, 0.3256, 0.3544

Protanomaly

22.2128, 0.3317, 0.3541

Deuteranomaly

22.0622, 0.3387, 0.3448

Tritanomaly

22.1375, 0.3140, 0.3272

Monochromacy



Original Color

22.1841, 0.3256, 0.3544

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1131, 0.3170, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1841, 0.3256, 0.3544 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(129, 131, 117)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 117)  
}
```

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(129, 131, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 117) }
```

Border

The CSS property to change the border of an element to Yxy 22.1841, 0.3256, 0.3544 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(129, 131, 117) }
```

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

```
.border{ border-color:rgb(129, 131, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 131, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 117);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1841, 0.3256, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 117) }
```

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

```
.background{ background-color: rgb(129,  
131, 117) }
```

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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