

Converting Colors

$Y_{xy}(20.8667, 0.3157, 0.3432)$

Have a look what the booklet for
Yxy(20.8667, 0.3157, 0.3432)
contains.

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Color

Yxy(21.0054, 0.3156, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	7B8078
RGB	123, 128, 120
RGB Percent	48%, 50%, 47%
CMY	0.5175, 0.4981, 0.5294
CMYK	0.04, 0.00, 0.06, 0.50
HSL	97°, 3%, 49%
HSV	97°, 6%, 50%
XYZ	19.2824, 21.0054, 20.8099
YIQ	125.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

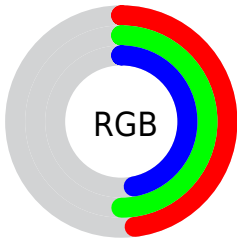
Format	Color
R_YB	120, 128, 125
Decimal	8093816
CIE Lab	52.96, -3.43, 3.68
CIE LCh	53, 5.032, 132.919
Yxy	21.0054, 0.3156, 0.3438
Android (android.graphics.Color)	4286283896 (0xFF7B8078)
YUV	125.5930, -2.7573, -2.2741
Hunter-Lab	45.8316, -5.1063, 5.1615

Details

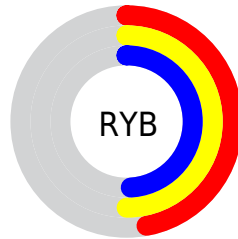
The Yxy color **21.0054, 0.3156, 0.3438** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3501, 0.3097, 0.3143**, and the grayscale version is **20.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1403, 0.3147, 0.3411**, and **7.5157, 0.3154, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **20.1540, 0.3202, 0.3694**, and if you desaturate by 10%, it is **21.9477, 0.3110, 0.3205**.

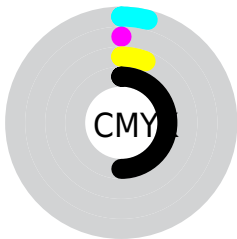
Distribution



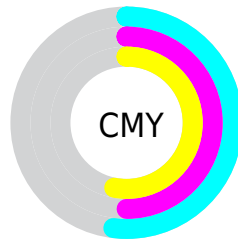
- Red (48%)
- Green (50%)
- Blue (47%)



- Red (47%)
- Yellow (50%)
- Blue (49%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (50%)



- Cyan (52%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0054, 0.3156, 0.3438 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 21.0054, 0.3156, 0.3438 by changing the saturation by 10% instead.

■ 21.0054, 0.3156,
0.3438

■ 21.0054, 0.3156,
0.3438

257.3072, 0.3140,
0.3354

■ 13.1279, 0.3161,
0.3464

■ 45.0965, 0.3150,
0.3404

■ 7.5167, 0.3167,
0.3500

■ 62.0790, 0.3148,
0.3393

■ 3.7873, 0.3176,
0.3555

■ 82.8652, 0.3146,
0.3383

■ 1.5553, 0.3192,
0.3650

107.8397, 0.3144,
0.3375

■ 0.3272, 0.3481,
0.5009

137.3867, 0.3143,
0.3369

■ 0.0000, 0.0000,
0.0000

171.8907, 0.3142,

0.3363

211.7361, 0.3141,
0.3358

■ 21.0054, 0.3156,
0.3438

■ 21.0054, 0.3156,
0.3438

■ 20.1540, 0.3202,
0.3694

■ 21.9477, 0.3110,
0.3205

■ 19.3879, 0.3245,
0.3971

■ 22.9806, 0.3064,
0.2995

■ 18.7051, 0.3283,
0.4265

■ 24.1078, 0.3020,
0.2808

■ 18.1027, 0.3313,
0.4567

■ 25.3315, 0.2978,
0.2641

■ 17.5772, 0.3332,
0.4868

■ 26.6540, 0.2939,
0.2493

■ 17.1251, 0.3337,
0.5151

■ 28.0777, 0.2902,
0.2362

■ 16.7426, 0.3325,
0.5402

■ 29.6047, 0.2867,
0.2246

■ 16.4253, 0.3297,
0.5605

■ 31.2370, 0.2835,
0.2142

■ 16.1665, 0.3255,
0.5756

■ 32.9767, 0.2805,
0.2050

Harmonies

Analogous

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



21.0054, 0.3241, 0.3449



21.0054, 0.3156, 0.3438



21.0054, 0.3064, 0.3385

Triad

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



21.0054, 0.3156, 0.3438



21.0054, 0.2961, 0.3162



21.0054, 0.3266, 0.3272

Complementary

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



21.0054, 0.3156, 0.3438



19.3501, 0.3097, 0.3143

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.



21.0054, 0.3189, 0.3198



21.0054, 0.3156, 0.3438



21.0054, 0.3013, 0.3134

Square

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



21.0054, 0.3156, 0.3438



21.0054, 0.2952, 0.3224



21.0054, 0.3096, 0.3148



21.0054, 0.3306, 0.3352

Rectangle

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



21.0054, 0.3156, 0.3438



21.0054, 0.3011, 0.3334



21.0054, 0.3096, 0.3148



21.0054, 0.3244, 0.3245

Sweetspot

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



21.0063, 0.3156, 0.3438



37.6658, 0.3137, 0.3338



20.5946, 0.3220, 0.3380



8.8241, 0.3136, 0.3334



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



21.0063, 0.3156, 0.3438



36.8453, 0.3160, 0.3461



20.8087, 0.3110, 0.3422



4.9299, 0.3161, 0.3464



15.9475, 0.3240, 0.5809



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3501, 0.3097, 0.3143



33.5165, 0.3092, 0.3121



19.5574, 0.3145, 0.3162



4.4775, 0.3091, 0.3118



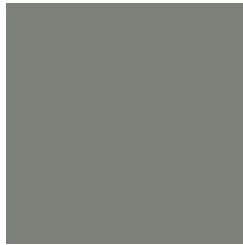
3.2100, 0.2303, 0.1042



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 21.0054, 0.3156, 0.3438 looks on a white background.

Color Contrast Check

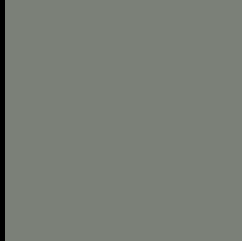
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0054, 0.3156, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

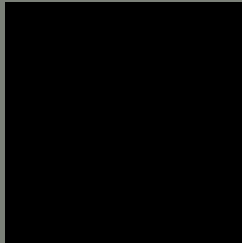
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0054, 0.3156, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 21.0054, 0.3156, 0.3438.



This preview shows how white text looks on a background with the Yxy color 21.0054, 0.3156, 0.3438.

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

21.0054, 0.3156, 0.3438

Protanopia

20.9994, 0.3254, 0.3417

Deuteranopia

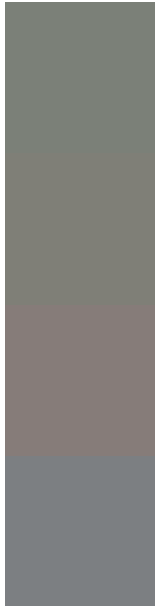
20.8750, 0.3364, 0.3308



Tritanopia

21.0593, 0.3007, 0.3110

Trichromacy



Original Color

21.0054, 0.3156, 0.3438

Protanomaly

21.0227, 0.3216, 0.3437

Deuteranomaly

20.8641, 0.3284, 0.3344

Tritanomaly

21.0755, 0.3060, 0.3235

Monochromacy



Original Color

21.0054, 0.3156, 0.3438

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9940, 0.3136, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0054, 0.3156, 0.3438 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(123, 128, 120)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 120)  
}
```

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(123, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 120) }
```

Border

The CSS property to change the border of an element to Yxy 21.0054, 0.3156, 0.3438 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(123, 128, 120) }
```

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

```
.border{ border-color:rgb(123, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 120);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0054, 0.3156, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 120) }
```

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

```
.background{ background-color: rgb(123,  
128, 120) }
```

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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