

Converting Colors

$Y_{xy}(23.6506, 0.4057, 0.4067)$

Have a look what the booklet for
Yxy(23.6506, 0.4057, 0.4067)
contains.

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Color

Yxy(23.6506, 0.4057, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	9F8150
RGB	159, 129, 80
RGB Percent	62%, 51%, 31%
CMY	0.3766, 0.4941, 0.6863
CMYK	0.00, 0.19, 0.50, 0.38
HSL	37°, 33%, 47%
HSV	37°, 50%, 62%
XYZ	23.5924, 23.6506, 10.9094
YIQ	132.3840, 33.6090, -8.8790

Conversions

Conversions Part 2

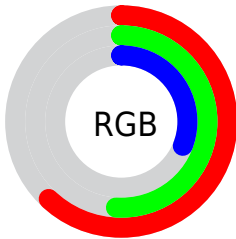
Format	Color
R_{YB}	128, 159, 80
Decimal	10453328
CIE _{Lab}	55.74, 5.02, 30.79
CIE _{LCh}	56, 31.198, 80.736
Yxy	23.6506, 0.4057, 0.4067
Android (android.graphics.Color)	4288643408 (0xFF9F8150)
YUV	132.3840, -25.8253, 23.3422
Hunter-Lab	48.6319, 1.4887, 20.7420

Details

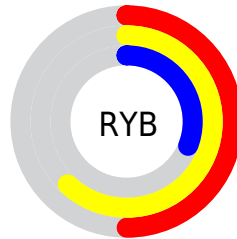
The Yxy color **23.6506, 0.4057, 0.4067** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.3496, 0.2313, 0.2346**, and the grayscale version is **23.3061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5147, 0.3859, 0.3917**, and **8.8504, 0.4376, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **21.9015, 0.4279, 0.4202**, and if you desaturate by 10%, it is **25.5514, 0.3841, 0.3915**.

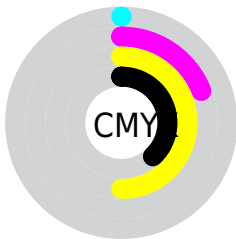
Distribution



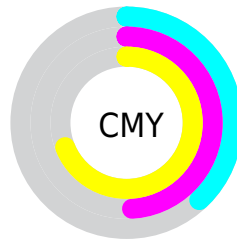
- Red (62%)
- Green (51%)
- Blue (31%)



- Red (50%)
- Yellow (62%)
- Blue (31%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (38%)





- Cyan (38%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6506, 0.4057, 0.4067 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 23.6506, 0.4057, 0.4067 by changing the saturation by 10% instead.


 23.6506, 0.4057,
0.4067


 23.6506, 0.4057,
0.4067


271.0492, 0.3547,
0.3653

 15.0746, 0.4195,
0.4173


 49.4594, 0.3862,
0.3913


 8.8718, 0.4376,
0.4307


 67.4611, 0.3792,
0.3856

 4.6576, 0.4616,
0.4472

 89.3734, 0.3734,
0.3808

 2.0478, 0.5143,
0.4857

 115.5808, 0.3684,
0.3767

 0.6350, 0.5335,
0.4665

 146.4677, 0.3643,
0.3732

 0.0000, 0.0000,
0.0000

182.4185, 0.3606,

0.3702

223.8175, 0.3575,
0.3676

■ 23.6506, 0.4057,
0.4067

■ 23.6506, 0.4057,
0.4067

■ 21.9015, 0.4279,
0.4202

■ 25.5514, 0.3841,
0.3915

■ 20.2950, 0.4498,
0.4309

■ 27.6055, 0.3637,
0.3754

■ 18.8263, 0.4704,
0.4377

■ 29.8191, 0.3448,
0.3593

■ 17.4881, 0.4885,
0.4397

■ 32.1965, 0.3277,
0.3435

■ 16.2669, 0.5042,
0.4375

■ 34.7422, 0.3123,
0.3285

■ 16.2295, 0.5047,
0.4375

■ 37.4601, 0.2985,
0.3145

■ 40.3543, 0.2863,
0.3014

■ 43.4286, 0.2754,
0.2893

■ 46.6865, 0.2658,
0.2782

Harmonies

Analogous

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



23.6506, 0.4220, 0.3688



23.6506, 0.4057, 0.4067



23.6506, 0.3645, 0.4277

Triad

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



23.6506, 0.4057, 0.4067



23.6506, 0.2268, 0.3212



23.6506, 0.3063, 0.2571

Complementary

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



23.6506, 0.4057, 0.4067



15.3496, 0.2313, 0.2346

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.



23.6506, 0.2568, 0.2432



23.6506, 0.4057, 0.4067



23.6506, 0.2143, 0.2748

Square

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



23.6506, 0.4057, 0.4067



23.6506, 0.2613, 0.3766



23.6506, 0.2248, 0.2484



23.6506, 0.3620, 0.2865

Rectangle

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



23.6506, 0.4057, 0.4067



23.6506, 0.3296, 0.4253



23.6506, 0.2248, 0.2484



23.6506, 0.2884, 0.2506

Sweetspot

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



23.6517, 0.4057, 0.4067



55.2575, 0.3371, 0.3523



14.2364, 0.3939, 0.2805



12.2692, 0.3405, 0.3554



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.6517, 0.4057, 0.4067



38.8011, 0.4311, 0.4220



31.8282, 0.3739, 0.4512



7.2972, 0.3270, 0.3429



12.9051, 0.5037, 0.4382



0.3102, 0.4628, 0.4707

Inverse Universe

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



15.3496, 0.2313, 0.2346



22.1723, 0.2126, 0.2078



10.3728, 0.2298, 0.1797



6.8271, 0.2988, 0.3147



4.6313, 0.1678, 0.1239



0.1613, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 23.6506, 0.4057, 0.4067 looks on a white background.

Color Contrast Check

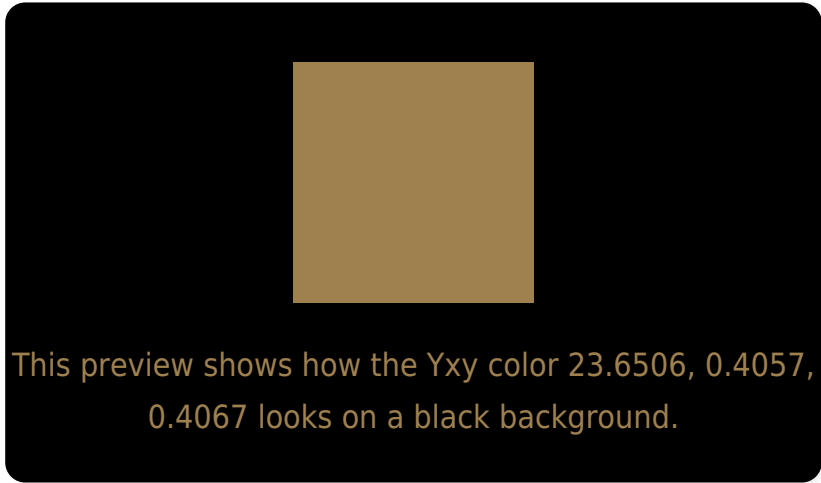
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

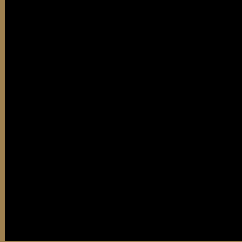
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6506, 0.4057, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 23.6506, 0.4057, 0.4067.



This preview shows how white text looks on a background with the Yxy color 23.6506, 0.4057, 0.4067.

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

23.6506, 0.4057, 0.4067

Protanopia

23.7704, 0.3836, 0.4164

Deuteranopia

23.6989, 0.4103, 0.4040



Tritanopia

23.7244, 0.3527, 0.3151

Trichromacy



Original Color

23.6506, 0.4057, 0.4067

Protanomaly

23.6759, 0.3924, 0.4129

Deuteranomaly

23.5946, 0.4090, 0.4044

Tritanomaly

23.5409, 0.3730, 0.3483

Monochromacy



Original Color

23.6506, 0.4057, 0.4067

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1756, 0.3458, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6506, 0.4057, 0.4067 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(159, 129, 80)` looks like.

```
.text, #text, p{  
    color:rgb(159, 129, 80)  
}
```

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(159, 129, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 129, 80) }
```

Border

The CSS property to change the border of an element to Yxy 23.6506, 0.4057, 0.4067 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(159, 129, 80) }
```

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

```
.border{ border-color:rgb(159, 129, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 129, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 129, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 129, 80);  
box-shadow:4px 4px 4px 4px rgb(159, 129,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6506, 0.4057, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 129, 80) }
```

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

```
.background{ background-color: rgb(159,  
129, 80) }
```

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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