

Converting Colors

$Y_{xy}(23.7768, 0.4090, 0.3513)$

Have a look what the booklet for
Yxy(23.7768, 0.4090, 0.3513)
contains.

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Color

Yxy(23.7768, 0.4090, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	B37768
RGB	179, 119, 104
RGB Percent	70%, 47%, 41%
CMY	0.2981, 0.5333, 0.5922
CMYK	0.00, 0.34, 0.42, 0.30
HSL	12°, 33%, 55%
HSV	12°, 42%, 70%
XYZ	27.6821, 23.7768, 16.2235
YIQ	135.2300, 40.5750, 8.0550

Conversions

Conversions Part 2

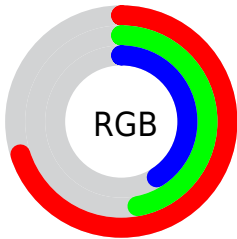
Format	Color
R _Y B	179, 123, 104
Decimal	11761512
CIE Lab	55.86, 21.67, 17.87
CIE LCh	56, 28.092, 39.514
Yxy	23.7768, 0.4090, 0.3513
Android (android.graphics.Color)	4289951592 (0xFFB37768)
YUV	135.2300, -15.3964, 38.3863
Hunter-Lab	48.7615, 16.0026, 14.4066

Details

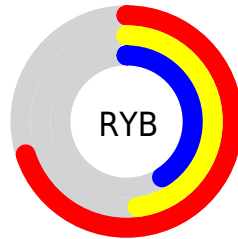
The Yxy color **23.7768, 0.4090, 0.3513** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.7302, 0.2525, 0.3048**, and the grayscale version is **24.3657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8761, 0.3883, 0.3484**, and **8.9608, 0.4459, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **20.2977, 0.4437, 0.3561**, and if you desaturate by 10%, it is **27.8484, 0.3791, 0.3459**.

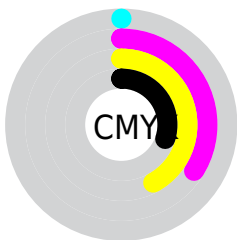
Distribution



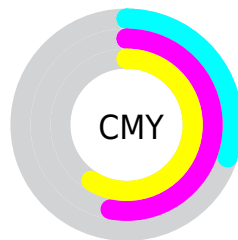
- Red (70%)
- Green (47%)
- Blue (41%)



- Red (70%)
- Yellow (48%)
- Blue (41%)



- Cyan (0%)
- Magenta (34%)
- Yellow (42%)
- Black (30%)



- Cyan (30%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7768, 0.4090, 0.3513 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 23.7768, 0.4090, 0.3513 by changing the saturation by 10% instead.


 23.7768, 0.4090,
0.3513


 23.7768, 0.4090,
0.3513


271.6901, 0.3550,
0.3408


 15.1681, 0.4246,
0.3534


 49.6657, 0.3878,
0.3478

 8.9375, 0.4461,
0.3556


 67.7148, 0.3804,
0.3463

 4.7004, 0.4771,
0.3572

 89.6794, 0.3742,
0.3451

 2.0726, 0.5278,
0.3578

 115.9440, 0.3691,
0.3440

 0.6491, 0.6459,
0.3541

146.8930, 0.3648,
0.3430

 0.0000, 1.0000,
0.0000

182.9107, 0.3611,

 0.0000, 0.0000,

0.3422

0.0000

224.3816, 0.3578,
0.3414

■ 23.7768, 0.4090,
0.3513

■ 23.7768, 0.4090,
0.3513

■ 20.2977, 0.4437,
0.3561

■ 27.8484, 0.3791,
0.3459

■ 17.3798, 0.4826,
0.3596

■ 32.5350, 0.3540,
0.3403

■ 14.9943, 0.5237,
0.3609


■ 37.8621, 0.3330,
0.3350


■ 13.1081, 0.5632,
0.3590


■ 43.8526, 0.3157,
0.3299

■ 11.6843, 0.5964,
0.3537

■ 50.5285, 0.3013,
0.3253

 10.8351, 0.6172,
0.3481

 57.9107, 0.2893,
0.3210

 66.0190, 0.2793,
0.3171

 74.8728, 0.2709,
0.3136

 83.8247, 0.2687,
0.3211

Harmonies

Analogous

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



23.7768, 0.3841, 0.3125



23.7768, 0.4090, 0.3513



23.7768, 0.4053, 0.3882

Triad

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



23.7768, 0.4090, 0.3513



23.7768, 0.2825, 0.3879



23.7768, 0.2492, 0.2507

Complementary

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



23.7768, 0.4090, 0.3513



32.7302, 0.2525, 0.3048

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.



23.7768, 0.2269, 0.2629



23.7768, 0.4090, 0.3513



23.7768, 0.2446, 0.3409

Square

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



23.7768, 0.4090, 0.3513



23.7768, 0.3304, 0.4155



23.7768, 0.2252, 0.2945



23.7768, 0.2891, 0.2570

Rectangle

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



23.7768, 0.4090, 0.3513



23.7768, 0.3879, 0.4071



23.7768, 0.2252, 0.2945



23.7768, 0.2396, 0.2526

Sweetspot

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



23.7780, 0.4090, 0.3513



66.4999, 0.3356, 0.3357



22.1592, 0.3352, 0.2457



14.2551, 0.3399, 0.3368



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.7780, 0.4090, 0.3513



36.9708, 0.4398, 0.3557



34.5199, 0.3862, 0.4033



8.7720, 0.3282, 0.3336



7.7346, 0.6154, 0.3495



0.3240, 0.5644, 0.3901

Inverse Universe

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



32.7302, 0.2525, 0.3048



55.0464, 0.2417, 0.2988



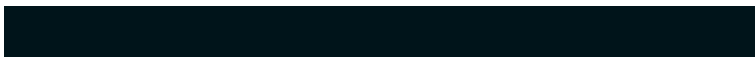
21.2424, 0.2422, 0.2408



9.3365, 0.2986, 0.3243



16.3026, 0.2068, 0.2644



0.5866, 0.2123, 0.2843

Previews

White Background



This preview shows how the Yxy color 23.7768, 0.4090, 0.3513 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 23.7768, 0.4090, 0.3513 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 23.7768, 0.4090, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 23.7768, 0.4090, 0.3513.



This preview shows how white text looks on a background with the Yxy color 23.7768, 0.4090, 0.3513.

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

23.7768, 0.4090, 0.3513

Protanopia

23.9487, 0.3471, 0.3686

Deuteranopia

23.9289, 0.3794, 0.3728



Tritanopia

23.7952, 0.3853, 0.3162

Trichromacy



Original Color

23.7768, 0.4090, 0.3513

Protanomaly

23.7518, 0.3685, 0.3636

Deuteranomaly

23.7535, 0.3904, 0.3636

Tritanomaly

23.7102, 0.3943, 0.3292

Monochromacy



Original Color

23.7768, 0.4090, 0.3513

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7351, 0.3447, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7768, 0.4090, 0.3513 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(179, 119, 104)` looks like.

```
.text, #text, p{  
    color:rgb(179, 119, 104)  
}
```

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(179, 119, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 119, 104) }
```

Border

The CSS property to change the border of an element to Yxy 23.7768, 0.4090, 0.3513 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(179, 119, 104) }
```

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

```
.border{ border-color:rgb(179, 119, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 119, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 119, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 119, 104);  
box-shadow:4px 4px 4px 4px rgb(179, 119,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7768, 0.4090, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 119, 104) }
```

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

```
.background{ background-color: rgb(179,  
119, 104) }
```

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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