

Converting Colors

$Yxy(21.8507, 0.4030, 0.3508)$

Have a look what the booklet for
Yxy(21.8507, 0.4030, 0.3508)
contains.

Yxy(21.7668, 0.4029, 0.3493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7668, 0.4029, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	AA7366
RGB	170, 115, 102
RGB Percent	67%, 45%, 40%
CMY	0.3333, 0.5490, 0.6001
CMYK	0.00, 0.32, 0.40, 0.33
HSL	11°, 29%, 53%
HSV	11°, 40%, 67%
XYZ	25.1069, 21.7668, 15.4418
YIQ	129.9630, 36.9530, 7.6170

Conversions

Conversions Part 2

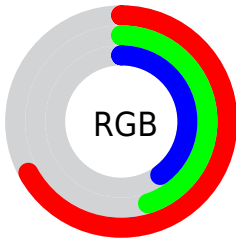
Format	Color
R_{YB}	170, 118, 102
Decimal	11170662
CIE Lab	53.78, 20.04, 16.01
CIE LCh	54, 25.654, 38.615
Yxy	21.7668, 0.4029, 0.3493
Android (android.graphics.Color)	4289360742 (0xFFAA7366)
YUV	129.9630, -13.7858, 35.1124
Hunter-Lab	46.6549, 14.4121, 13.0347

Details

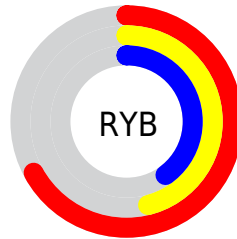
The Yxy color **21.7668, 0.4029, 0.3493** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.8335, 0.2553, 0.3072**, and the grayscale version is **22.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2682, 0.3828, 0.3456**, and **7.8853, 0.4404, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **18.5598, 0.4368, 0.3541**, and if you desaturate by 10%, it is **25.5125, 0.3739, 0.3441**.

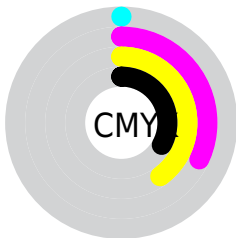
Distribution



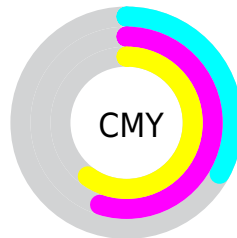
- Red (67%)
- Green (45%)
- Blue (40%)



- Red (67%)
- Yellow (46%)
- Blue (40%)



- Cyan (0%)
- Magenta (32%)
- Yellow (40%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7668, 0.4029, 0.3493 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 21.7668, 0.4029, 0.3493 by changing the saturation by 10% instead.


 21.7668, 0.4029,
0.3493


 21.7668, 0.4029,
0.3493


261.3260, 0.3517,
0.3395


 13.6856, 0.4181,
0.3514


 46.3603, 0.3826,
0.3459

 7.9024, 0.4393,
0.3535


 63.6414, 0.3755,
0.3446

 4.0325, 0.4705,
0.3553

 84.7579, 0.3697,
0.3434

 1.6918, 0.5267,
0.3585

 110.0943, 0.3649,
0.3424

 0.4183, 0.6797,
0.3203

140.0349, 0.3608,
0.3416

 0.0000, 0.0000,
0.0000

174.9641, 0.3573,

0.3408

215.2664, 0.3543,
0.3401

■ 21.7668, 0.4029,
0.3493

■ 21.7668, 0.4029,
0.3493

■ 18.5598, 0.4368,
0.3541

■ 25.5125, 0.3739,
0.3441

■ 15.8636, 0.4751,
0.3577

■ 29.8171, 0.3496,
0.3388

■ 13.6522, 0.5161,
0.3593


■ 34.7033, 0.3294,
0.3338

■ 11.8962, 0.5565,
0.3582

■ 40.1920, 0.3127,
0.3290


■ 10.5629, 0.5915,
0.3537


■ 46.3028, 0.2989,
0.3246

 9.6101, 0.6183,
0.3473

 53.0543, 0.2874,
0.3207

 60.4647, 0.2778,
0.3170

 68.5510, 0.2697,
0.3138

 77.3301, 0.2629,
0.3108

Harmonies

Analogous

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



21.7668, 0.3787, 0.3125



21.7668, 0.4029, 0.3493



21.7668, 0.4004, 0.3843

Triad

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



21.7668, 0.4029, 0.3493



21.7668, 0.2857, 0.3853



21.7668, 0.2519, 0.2551

Complementary

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



21.7668, 0.4029, 0.3493



29.8335, 0.2553, 0.3072

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.



21.7668, 0.2312, 0.2674



21.7668, 0.4029, 0.3493



21.7668, 0.2494, 0.3417

Square

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



21.7668, 0.4029, 0.3493



21.7668, 0.3310, 0.4104



21.7668, 0.2302, 0.2979



21.7668, 0.2892, 0.2605

Rectangle

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



21.7668, 0.4029, 0.3493



21.7668, 0.3846, 0.4021



21.7668, 0.2302, 0.2979



21.7668, 0.2429, 0.2572

Sweetspot

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



21.7679, 0.4029, 0.3493



60.9160, 0.3336, 0.3348



20.4975, 0.3324, 0.2481



13.3302, 0.3360, 0.3355



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.7679, 0.4029, 0.3493



34.2909, 0.4327, 0.3536



30.8317, 0.3828, 0.3982



7.7662, 0.3281, 0.3334



7.1324, 0.6166, 0.3486



0.2378, 0.5606, 0.3931

Inverse Universe

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



29.8335, 0.2553, 0.3072



50.9230, 0.2444, 0.3016



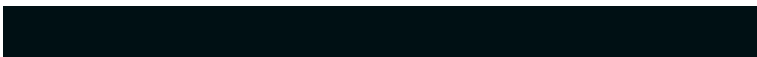
20.0210, 0.2462, 0.2479



8.2843, 0.2987, 0.3246



15.4669, 0.2077, 0.2676



0.4373, 0.2139, 0.2900

Previews

White Background



This preview shows how the Yxy color 21.7668, 0.4029, 0.3493 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 21.7668, 0.4029, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

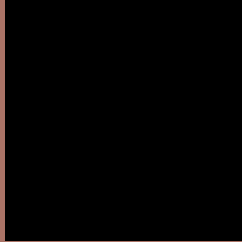
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7668, 0.4029, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 21.7668, 0.4029, 0.3493.



This preview shows how white text looks on a background with the Yxy color 21.7668, 0.4029, 0.3493.

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

21.7668, 0.4029, 0.3493

Protanopia

22.0175, 0.3448, 0.3665

Deuteranopia

21.9147, 0.3756, 0.3696



Tritanopia

21.7395, 0.3811, 0.3155

Trichromacy



Original Color

21.7668, 0.4029, 0.3493

Protanomaly

21.7518, 0.3643, 0.3598

Deuteranomaly

21.8834, 0.3850, 0.3618

Tritanomaly

21.6831, 0.3890, 0.3277

Monochromacy



Original Color

21.7668, 0.4029, 0.3493

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0430, 0.3431, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7668, 0.4029, 0.3493 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(170, 115, 102)` looks like.

```
.text, #text, p{  
    color:rgb(170, 115, 102)  
}
```

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(170, 115, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 115, 102) }
```

Border

The CSS property to change the border of an element to Yxy 21.7668, 0.4029, 0.3493 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(170, 115, 102) }
```

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

```
.border{ border-color:rgb(170, 115, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 115, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 115, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 115, 102);  
box-shadow:4px 4px 4px 4px rgb(170, 115,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7668, 0.4029, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 115, 102) }
```

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

```
.background{ background-color: rgb(170,  
115, 102) }
```

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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