

Converting Colors

$Y_{xy}(20.1732, 0.4092, 0.3613)$

Have a look what the booklet for
Yxy(20.1732, 0.4092, 0.3613)
contains.

Yxy(20.1476, 0.4092, 0.3611)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1476, 0.4092, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	A3705C
RGB	163, 112, 92
RGB Percent	64%, 44%, 36%
CMY	0.3608, 0.5608, 0.6391
CMYK	0.00, 0.31, 0.44, 0.36
HSL	17°, 28%, 50%
HSV	17°, 44%, 64%
XYZ	22.8313, 20.1476, 12.8161
YIQ	124.9690, 36.8160, 4.5920

Conversions

Conversions Part 2

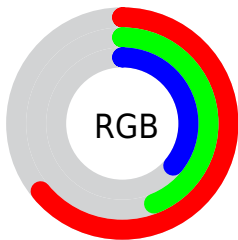
Format	Color
R _Y B	163, 120, 92
Decimal	10711132
CIE Lab	52.00, 17.69, 19.23
CIE LCh	52, 26.134, 47.383
Yxy	20.1476, 0.4092, 0.3611
Android (android.graphics.Color)	4288901212 (0xFFA3705C)
YUV	124.9690, -16.2537, 33.3532
Hunter-Lab	44.8861, 12.2435, 14.4914

Details

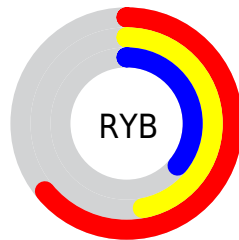
The Yxy color **20.1476, 0.4092, 0.3611** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5734, 0.2491, 0.2935**, and the grayscale version is **20.5448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7196, 0.3879, 0.3557**, and **7.1153, 0.4484, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **17.4747, 0.4417, 0.3678**, and if you desaturate by 10%, it is **23.2201, 0.3807, 0.3536**.

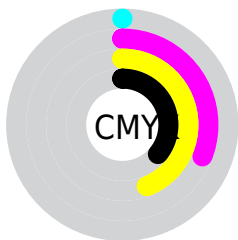
Distribution



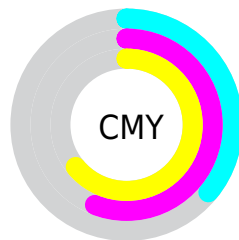
- Red (64%)
- Green (44%)
- Blue (36%)



- Red (64%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (44%)
- Black (36%)





- Cyan (36%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1476, 0.4092, 0.3611 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 20.1476, 0.4092, 0.3611 by changing the saturation by 10% instead.


 20.1476, 0.4092,
0.3611


 20.1476, 0.4092,
0.3611


252.7130, 0.3539,
0.3448


 12.5024, 0.4258,
0.3649


 43.6645, 0.3872,
0.3553

 7.0868, 0.4489,
0.3692


 60.3050, 0.3795,
0.3530

 3.5164, 0.4830,
0.3736

 80.7127, 0.3732,
0.3511

 1.4069, 0.5718,
0.3991

 105.2720, 0.3680,
0.3495

 0.2218, 0.7434,
0.2566


134.3672, 0.3637,
0.3481


 0.0000, 0.0000,
0.0000

168.3829, 0.3599,


0.3468


207.7034, 0.3567,
0.3457


 20.1476, 0.4092,
0.3611

 20.1476, 0.4092,
0.3611


 17.4747, 0.4417,
0.3678


 23.2201, 0.3807,
0.3536


 15.1815, 0.4774,
0.3728

 26.7050, 0.3563,
0.3460

 13.2509, 0.5147,
0.3750


 30.6182, 0.3356,
0.3385

 11.6631, 0.5507,
0.3734

 34.9739, 0.3182,
0.3314


 10.3963, 0.5816,
0.3674


 39.7855, 0.3035,
0.3248

 9.7312, 0.5990,
0.3626

 45.0659, 0.2912,
0.3188

 50.8275, 0.2807,
0.3132

 57.0822, 0.2718,
0.3082

 63.8415, 0.2643,
0.3036

Harmonies

Analogous

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



20.1476, 0.3917, 0.3226



20.1476, 0.4092, 0.3611



20.1476, 0.3983, 0.3955

Triad

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



20.1476, 0.4092, 0.3611



20.1476, 0.2719, 0.3758



20.1476, 0.2590, 0.2519

Complementary

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



20.1476, 0.4092, 0.3611



24.5734, 0.2491, 0.2935

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.



20.1476, 0.2321, 0.2590



20.1476, 0.4092, 0.3611



20.1476, 0.2387, 0.3280

Square

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



20.1476, 0.4092, 0.3611



20.1476, 0.3175, 0.4095



20.1476, 0.2249, 0.2852



20.1476, 0.3019, 0.2625

Rectangle

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



20.1476, 0.4092, 0.3611



20.1476, 0.3774, 0.4110



20.1476, 0.2249, 0.2852



20.1476, 0.2480, 0.2522

Sweetspot

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



20.1486, 0.4092, 0.3611



55.0579, 0.3351, 0.3383



17.4612, 0.3427, 0.2496



12.0157, 0.3392, 0.3398



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.1486, 0.4092, 0.3611



31.5535, 0.4397, 0.3674



29.2537, 0.3858, 0.4122



7.3955, 0.3278, 0.3354



7.6312, 0.5974, 0.3639



0.2362, 0.5311, 0.4165

Inverse Universe

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



24.5734, 0.2491, 0.2935



40.4519, 0.2371, 0.2843



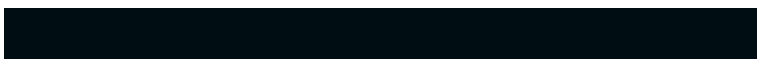
15.7701, 0.2383, 0.2284



7.6727, 0.2987, 0.3225



12.0446, 0.1991, 0.2366



0.3266, 0.2095, 0.2740

Previews

White Background



This preview shows how the Yxy color 20.1476, 0.4092, 0.3611 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 20.1476, 0.4092, 0.3611 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 20.1476, 0.4092, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 20.1476, 0.4092, 0.3611.



This preview shows how white text looks on a background with the Yxy color 20.1476, 0.4092, 0.3611.

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

20.1476, 0.4092, 0.3611

Protanopia

20.1839, 0.3544, 0.3789

Deuteranopia

20.1520, 0.3844, 0.3776



Tritanopia

20.2210, 0.3788, 0.3166

Trichromacy



Original Color

20.1476, 0.4092, 0.3611

Protanomaly

20.0988, 0.3734, 0.3732

Deuteranomaly

20.0184, 0.3944, 0.3712

Tritanomaly

20.1271, 0.3896, 0.3324

Monochromacy



Original Color

20.1476, 0.4092, 0.3611

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1142, 0.3455, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1476, 0.4092, 0.3611 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(163, 112, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 112, 92)  
}
```

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(163, 112, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 112, 92) }
```

Border

The CSS property to change the border of an element to Yxy 20.1476, 0.4092, 0.3611 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(163, 112, 92) }
```

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

```
.border{ border-color:rgb(163, 112, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 112, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 112, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 112, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 112,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1476, 0.4092, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 112, 92) }
```

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

```
.background{ background-color: rgb(163,  
112, 92) }
```

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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