

Converting Colors

$Y_{xy}(20.9204, 0.5004, 0.4409)$

Have a look what the booklet for
Yxy(20.9204, 0.5004, 0.4409)
contains.

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Color

$Y_{xy}(20.8184, 0.5012, 0.4403)$

Conversions

Conversions Part 1

Format	Color
Hex	B07000
RGB	176, 112, 0
RGB Percent	69%, 44%, 0%
CMY	0.3098, 0.5608, 1.0000
CMYK	0.00, 0.36, 1.00, 0.31
HSL	38°, 100%, 35%
HSV	38°, 100%, 69%
XYZ	23.6979, 20.8184, 2.7660
YIQ	118.3680, 74.0960, -21.2640

Conversions

Conversions Part 2

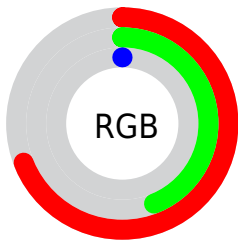
Format	Color
RYB	101, 176, 0
Decimal	11563008
CIELab	52.75, 18.36, 59.74
CIELCh	53, 62.499, 72.916
Yxy	20.8184, 0.5012, 0.4403
Android (android.graphics.Color)	4289753088 (0xFFB07000)
YUV	118.3680, -58.3554, 50.5433
Hunter-Lab	45.6272, 12.8619, 28.3447

Details

The Yxy color **20.8184, 0.5012, 0.4403** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8003, 0.1657, 0.1166**, and the grayscale version is **18.4087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9371, 0.4674, 0.4273**, and **7.5183, 0.5232, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **20.8197, 0.5012, 0.4403**, and if you desaturate by 10%, it is **22.3249, 0.4865, 0.4427**.

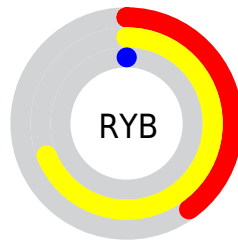
Distribution



Red (69%)

Green (44%)

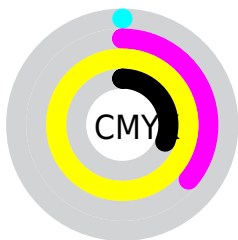
Blue (0%)



Red (40%)

Yellow (69%)

Blue (0%)

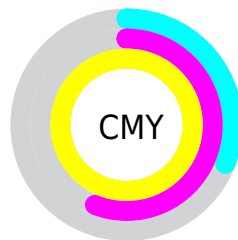


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8184, 0.5012, 0.4403 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 20.8184, 0.5012, 0.4403 by changing the saturation by 10% instead.


 20.8184, 0.5012,
0.4403


 20.8184, 0.5012,
0.4403


256.3118, 0.4037,
0.3923


 12.9913, 0.5217,
0.4449


 44.7851, 0.4674,
0.4272

 7.4226, 0.5500,
0.4500


 61.6935, 0.4539,
0.4208


 3.7278, 0.5651,
0.4349

 82.3978, 0.4424,
0.4148

 1.5225, 0.5899,
0.4101

 107.2825, 0.4324,
0.4093

 0.3045, 0.7078,
0.2922

 136.7318, 0.4238,
0.4044

 0.0000, 0.0000,
0.0000

 171.1302, 0.4162,

0.3999

210.8621, 0.4096,
0.3959

20.8184, 0.5012,
0.4403

20.8184, 0.5012,
0.4403

20.8197, 0.5012,
0.4403

22.3249, 0.4865,
0.4427

23.9703, 0.4693,
0.4408

25.7726, 0.4495,
0.4341

27.7404, 0.4281,
0.4233

29.8817, 0.4062,
0.4096

■ 32.2032, 0.3848,
0.3940

■ 34.7114, 0.3644,
0.3774

■ 37.4123, 0.3455,
0.3608

■ 40.3115, 0.3283,
0.3445

Harmonies

Analogous

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



20.8184, 0.5320, 0.3637



20.8184, 0.5012, 0.4403



20.8184, 0.4223, 0.5135

Triad

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



20.8184, 0.5012, 0.4403



20.8184, 0.1590, 0.3336



20.8184, 0.2671, 0.1879

Complementary

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



20.8184, 0.5012, 0.4403



6.8003, 0.1657, 0.1166

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.



20.8184, 0.1859, 0.1704



20.8184, 0.5012, 0.4403



20.8184, 0.1334, 0.2321

Square

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



20.8184, 0.5012, 0.4403



20.8184, 0.2259, 0.4671



20.8184, 0.1429, 0.1822



20.8184, 0.3812, 0.2311

Rectangle

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



20.8184, 0.5012, 0.4403



20.8184, 0.3569, 0.5411



20.8184, 0.1429, 0.1822



20.8184, 0.2356, 0.1790

Sweetspot

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



20.8197, 0.5012, 0.4403



62.7093, 0.3655, 0.3783



9.6061, 0.5503, 0.2805



13.1775, 0.3737, 0.3852



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.8197, 0.5012, 0.4403



37.3155, 0.5029, 0.4389



37.7766, 0.3961, 0.5237



9.3766, 0.3272, 0.3435



15.3904, 0.5001, 0.4411



0.5905, 0.4723, 0.4632

Inverse Universe

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



6.8003, 0.1657, 0.1166



11.9398, 0.1649, 0.1135



3.3222, 0.1553, 0.0629



8.7192, 0.2985, 0.3141



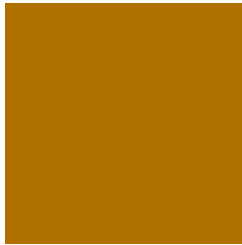
5.0924, 0.1663, 0.1185



0.2736, 0.1827, 0.1775

Previews

White Background



This preview shows how the Yxy color 20.8184, 0.5012, 0.4403 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 20.8184, 0.5012, 0.4403 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 20.8184, 0.5012, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 20.8184, 0.5012, 0.4403.



This preview shows how white text looks on a background with the Yxy color 20.8184, 0.5012, 0.4403.

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

20.8184, 0.5012, 0.4403

Protanopia

21.0474, 0.4367, 0.4841

Deuteranopia

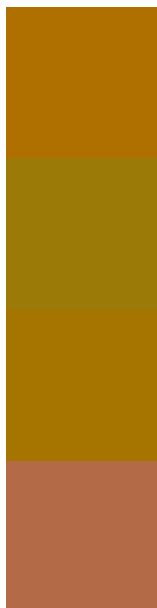
20.9065, 0.4710, 0.4642



Tritanopia

20.7738, 0.4082, 0.3176

Trichromacy



Original Color

20.8184, 0.5012, 0.4403

Protanomaly

20.9052, 0.4600, 0.4686

Deuteranomaly

20.8296, 0.4825, 0.4551

Tritanomaly

20.5540, 0.4614, 0.3796

Monochromacy



Original Color

20.8184, 0.5012, 0.4403

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4877, 0.3955, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8184, 0.5012, 0.4403 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(176, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 112, 0)  
}
```

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(176, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8184, 0.5012, 0.4403 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(176, 112, 0) }
```

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

```
.border{ border-color:rgb(176, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8184, 0.5012, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 112, 0) }
```

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

```
.background{ background-color: rgb(176,  
112, 0) }
```

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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