

Converting Colors

$Y_{xy}(20.2094, 0.4958, 0.3988)$

Have a look what the booklet for
Yxy(20.2094, 0.4958, 0.3988)
contains.

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Color

Yxy(20.3044, 0.4957, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	B86830
RGB	184, 104, 48
RGB Percent	72%, 41%, 19%
CMY	0.2784, 0.5921, 0.8118
CMYK	0.00, 0.43, 0.74, 0.28
HSL	25°, 59%, 45%
HSV	25°, 74%, 72%
XYZ	25.2506, 20.3044, 5.3843
YIQ	121.5360, 65.6560, -0.4560

Conversions

Conversions Part 2

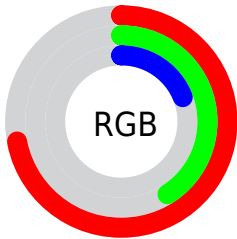
Format	Color
RYB	184, 143, 48
Decimal	12085296
CIELab	52.18, 27.55, 44.14
CIElCh	52, 52.033, 58.032
Yxy	20.3044, 0.4957, 0.3986
Android (android.graphics.Color)	4290275376 (0xFFB86830)
YUV	121.5360, -36.2532, 54.7809
Hunter-Lab	45.0604, 21.1708, 24.4577

Details

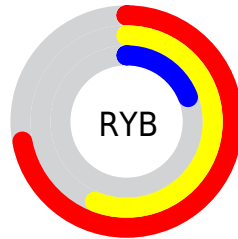
The Yxy color **20.3044, 0.4957, 0.3986** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.5245, 0.2062, 0.2289**, and the grayscale version is **19.4080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8731, 0.4573, 0.3907**, and **7.0924, 0.5529, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **18.1429, 0.5257, 0.3986**, and if you desaturate by 10%, it is **22.8107, 0.4642, 0.3941**.

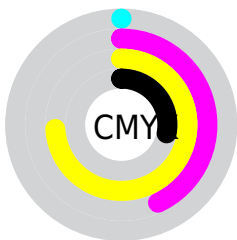
Distribution



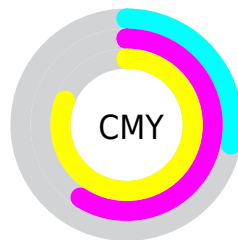
- Red (72%)
- Green (41%)
- Blue (19%)



- Red (72%)
- Yellow (56%)
- Blue (19%)



- Cyan (0%)
- Magenta (43%)
- Yellow (74%)
- Black (28%)





- Cyan (28%)
- Magenta (59%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3044, 0.4957, 0.3986 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 20.3044, 0.4957, 0.3986 by changing the saturation by 10% instead.


 20.3044, 0.4957,
0.3986


 20.3044, 0.4957,
0.3986


253.5583, 0.3948,
0.3688


 12.6165, 0.5217,
0.4015


 43.9269, 0.4577,
0.3904


 7.1650, 0.5543,
0.4013


 60.6304, 0.4437,
0.3864


 3.5655, 0.6019,
0.3981

 81.1078, 0.4320,
0.3826

 1.4336, 0.6370,
0.3630

 105.7436, 0.4222,
0.3793

 0.2413, 0.7892,
0.2108

 134.9221, 0.4138,
0.3762

 0.0000, 0.0000,
0.0000

 169.0278, 0.4066,

0.3735

208.4451, 0.4003,
0.3710

■ 20.3044, 0.4957,
0.3986

■ 20.3044, 0.4957,
0.3986

■ 18.1429, 0.5257,
0.3986

■ 22.8107, 0.4642,
0.3941

■ 16.3041, 0.5519,
0.3934

■ 25.6754, 0.4334,
0.3862

■ 15.3280, 0.5662,
0.3886

■ 28.9153, 0.4047,
0.3763

■ 32.5448, 0.3788,
0.3654

■ 36.5774, 0.3559,
0.3542

■ 41.0261, 0.3360,
0.3433

■ 45.9030, 0.3188,
0.3329

■ 51.2198, 0.3040,
0.3232

■ 56.9877, 0.2913,
0.3142

Harmonies

Analogous

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



20.3044, 0.4881, 0.3322



20.3044, 0.4957, 0.3986



20.3044, 0.4488, 0.4637

Triad

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



20.3044, 0.4957, 0.3986



20.3044, 0.2062, 0.3891



20.3044, 0.2352, 0.1947

Complementary

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



20.3044, 0.4957, 0.3986



19.5245, 0.2062, 0.2289

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.



20.3044, 0.1794, 0.1923



20.3044, 0.4957, 0.3986



20.3044, 0.1636, 0.2865

Square

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



20.3044, 0.4957, 0.3986



20.3044, 0.2815, 0.4826



20.3044, 0.1558, 0.2202



20.3044, 0.3218, 0.2225

Rectangle

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



20.3044, 0.4957, 0.3986



20.3044, 0.3985, 0.4965



20.3044, 0.1558, 0.2202



20.3044, 0.2129, 0.1909

Sweetspot

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



20.3055, 0.4957, 0.3986



67.5049, 0.3526, 0.3525



13.9048, 0.4064, 0.2276



14.1075, 0.3583, 0.3555



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.3055, 0.4957, 0.3986



30.6342, 0.5435, 0.3958



39.3022, 0.4207, 0.4758



9.6034, 0.3278, 0.3385



10.6967, 0.5641, 0.3903



0.4998, 0.5180, 0.4269

Inverse Universe

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



19.5245, 0.2062, 0.2289



28.9036, 0.1916, 0.2027



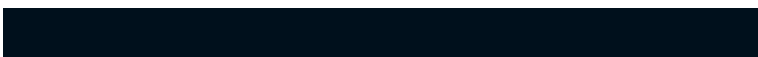
7.4907, 0.1774, 0.1148



9.5736, 0.2985, 0.3194



9.9513, 0.1861, 0.1901



0.4696, 0.1972, 0.2298

Previews

White Background



This preview shows how the Yxy color 20.3044, 0.4957, 0.3986 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 20.3044, 0.4957, 0.3986 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 20.3044, 0.4957, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 20.3044, 0.4957, 0.3986.



This preview shows how white text looks on a background with the Yxy color 20.3044, 0.4957, 0.3986.

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

20.3044, 0.4957, 0.3986

Protanopia

20.4225, 0.4097, 0.4487

Deuteranopia

20.4434, 0.4471, 0.4402



Tritanopia

20.3201, 0.4312, 0.3196

Trichromacy



Original Color

20.3044, 0.4957, 0.3986

Protanomaly

19.9391, 0.4413, 0.4292

Deuteranomaly

20.3311, 0.4649, 0.4255

Tritanomaly

20.1935, 0.4593, 0.3512

Monochromacy



Original Color

20.3044, 0.4957, 0.3986

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1074, 0.3789, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3044, 0.4957, 0.3986 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(184, 104, 48)` looks like.

```
.text, #text, p{  
    color:rgb(184, 104, 48)  
}
```

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(184, 104, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 104, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.3044, 0.4957, 0.3986 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(184, 104, 48) }
```

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

```
.border{ border-color:rgb(184, 104, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 104, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 104, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 104, 48);  
box-shadow:4px 4px 4px 4px rgb(184, 104,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3044, 0.4957, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 104, 48) }
```

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

```
.background{ background-color: rgb(184,  
104, 48) }
```

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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