

Converting Colors

$Yxy(20.4431, 0.4887, 0.3735)$

Have a look what the booklet for
Yxy(20.4431, 0.4887, 0.3735)
contains.

Yxy(20.4431, 0.4887, 0.3735)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4431, 0.4887, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	BE6441
RGB	190, 100, 65
RGB Percent	75%, 39%, 25%
CMY	0.2549, 0.6078, 0.7450
CMYK	0.00, 0.47, 0.66, 0.25
HSL	17°, 49%, 50%
HSV	17°, 66%, 75%
XYZ	26.7484, 20.4431, 7.5423
YIQ	122.9200, 64.8750, 8.1950

Conversions

Conversions Part 2

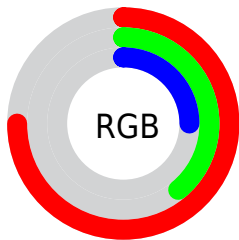
Format	Color
R_{YB}	190, 114, 65
Decimal	12477505
CIE _{Lab}	52.33, 33.11, 35.68
CIE _{LCh}	52, 48.679, 47.136
Yxy	20.4431, 0.4887, 0.3735
Android (android.graphics.Color)	4290667585 (0xFFBE6441)
YUV	122.9200, -28.5546, 58.8292
Hunter-Lab	45.2140, 26.4753, 21.7594

Details

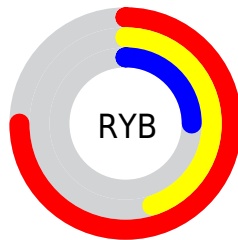
The Yxy color **20.4431, 0.4887, 0.3735** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **28.2995, 0.2221, 0.2709**, and the grayscale version is **19.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9954, 0.4502, 0.3689**, and **7.2435, 0.5497, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **17.8514, 0.5264, 0.3747**, and if you desaturate by 10%, it is **23.5520, 0.4518, 0.3692**.

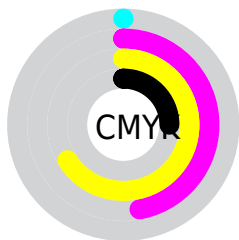
Distribution



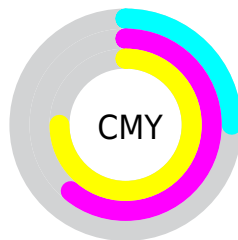
- Red (75%)
- Green (39%)
- Blue (25%)



- Red (75%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (66%)
- Black (25%)



- Cyan (25%)
- Magenta (61%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4431, 0.4887, 0.3735 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 20.4431, 0.4887, 0.3735 by changing the saturation by 10% instead.


 20.4431, 0.4887,
0.3735


 20.4431, 0.4887,
0.3735


254.3039, 0.3898,
0.3558

 12.7175, 0.5159,
0.3745


 44.1588, 0.4505,
0.3691


 7.2343, 0.5514,
0.3727


 60.9178, 0.4368,
0.3667


 3.6091, 0.6092,
0.3705

 81.4567, 0.4255,
0.3645

 1.4574, 0.6613,
0.3387

 106.1599, 0.4160,
0.3624

 0.2584, 0.8058,
0.1942

 135.4118, 0.4079,
0.3605

 0.0000, 1.0000,
0.0000

 169.5969, 0.4010,

 0.0000, 0.0000,

0.3588

0.0000

209.0994, 0.3950,
0.3572

■ 20.4431, 0.4887,
0.3735

■ 20.4431, 0.4887,
0.3735

■ 17.8514, 0.5264,
0.3747

■ 23.5520, 0.4518,
0.3692

■ 15.7438, 0.5617,
0.3717

■ 27.2020, 0.4178,
0.3629

■ 14.0878, 0.5906,
0.3643

■ 31.4194, 0.3879,
0.3555

■ 13.5087, 0.6013,
0.3607

■ 36.2276, 0.3621,
0.3478

■ 41.6488, 0.3403,
0.3402

■ 47.7039, 0.3219,
0.3330

■ 54.4129, 0.3065,
0.3262

■ 61.7948, 0.2936,
0.3200

■ 69.8678, 0.2826,
0.3144

Harmonies

Analogous

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



20.4431, 0.4592, 0.3112



20.4431, 0.4887, 0.3735



20.4431, 0.4623, 0.4365

Triad

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



20.4431, 0.4887, 0.3735



20.4431, 0.2361, 0.4208



20.4431, 0.2170, 0.1980

Complementary

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



20.4431, 0.4887, 0.3735



28.2995, 0.2221, 0.2709

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.



20.4431, 0.1749, 0.2060



20.4431, 0.4887, 0.3735



20.4431, 0.1828, 0.3221

Square

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



20.4431, 0.4887, 0.3735



20.4431, 0.3148, 0.4878



20.4431, 0.1632, 0.2456



20.4431, 0.2894, 0.2161

Rectangle

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



20.4431, 0.4887, 0.3735



20.4431, 0.4219, 0.4724



20.4431, 0.1632, 0.2456



20.4431, 0.1996, 0.1975

Sweetspot

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



20.4442, 0.4887, 0.3735



70.8570, 0.3498, 0.3436



17.1560, 0.3654, 0.2148



14.9524, 0.3561, 0.3458



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.4442, 0.4887, 0.3735



30.5204, 0.5429, 0.3739



36.7659, 0.4260, 0.4487



9.9593, 0.3282, 0.3355



9.0980, 0.5990, 0.3626



0.4710, 0.5503, 0.4012

Inverse Universe

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



28.2995, 0.2221, 0.2709



45.4639, 0.2095, 0.2557



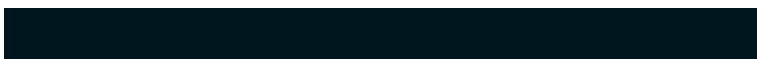
12.8831, 0.1967, 0.1636



10.3460, 0.2985, 0.3224



14.4767, 0.1990, 0.2365



0.6721, 0.2059, 0.2613

Previews

White Background



This preview shows how the Yxy color 20.4431, 0.4887, 0.3735 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 20.4431, 0.4887, 0.3735 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 20.4431, 0.4887, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 20.4431, 0.4887, 0.3735.



This preview shows how white text looks on a background with the Yxy color 20.4431, 0.4887, 0.3735.

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

20.4431, 0.4887, 0.3735

Protanopia

20.4800, 0.3870, 0.4197

Deuteranopia

20.4991, 0.4301, 0.4207



Tritanopia

20.3502, 0.4439, 0.3200

Trichromacy



Original Color

20.4431, 0.4887, 0.3735

Protanomaly

20.0136, 0.4234, 0.4017

Deuteranomaly

20.2610, 0.4532, 0.4025

Tritanomaly

20.3470, 0.4607, 0.3400

Monochromacy



Original Color

20.4431, 0.4887, 0.3735

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4238, 0.3723, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4431, 0.4887, 0.3735 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(190, 100, 65)` looks like.

```
.text, #text, p{  
    color:rgb(190, 100, 65)  
}
```

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(190, 100, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 100, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.4431, 0.4887, 0.3735 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(190, 100, 65) }
```

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

```
.border{ border-color:rgb(190, 100, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 100, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 100, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 100, 65);  
box-shadow:4px 4px 4px 4px rgb(190, 100,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4431, 0.4887, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 100, 65) }
```

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

```
.background{ background-color: rgb(190,  
100, 65) }
```

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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