

Converting Colors

$Y_{xy}(28.7797, 0.4773, 0.3652)$

Have a look what the booklet for
Yxy(28.7797, 0.4773, 0.3652)
contains.

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Color

Yxy(28.8444, 0.4775, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	DC7656
RGB	220, 118, 86
RGB Percent	86%, 46%, 34%
CMY	0.1372, 0.5372, 0.6629
CMYK	0.00, 0.46, 0.61, 0.14
HSL	14°, 66%, 60%
HSV	14°, 61%, 86%
XYZ	37.6729, 28.8444, 12.3788
YIQ	144.8500, 71.0640, 11.6720

Conversions

Conversions Part 2

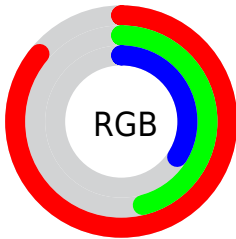
Format	Color
R_{YB}	220, 128, 86
Decimal	14448214
CIE _{Lab}	60.64, 36.92, 35.26
CIE _{LCh}	61, 51.050, 43.680
Yxy	28.8444, 0.4775, 0.3656
Android (android.graphics.Color)	4292638294 (0xFFDC7656)
YUV	144.8500, -29.0130, 65.9066
Hunter-Lab	53.7070, 31.2220, 23.9293

Details

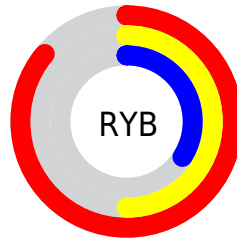
The Yxy color **28.8444, 0.4775, 0.3656** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **43.0945, 0.2284, 0.2835**, and the grayscale version is **28.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5426, 0.4220, 0.3668**, and **11.6344, 0.5308, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **24.9449, 0.5174, 0.3675**, and if you desaturate by 10%, it is **33.5558, 0.4397, 0.3612**.

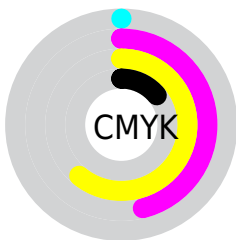
Distribution



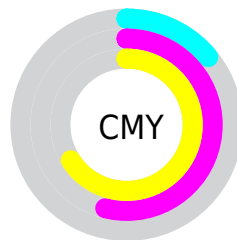
- Red (86%)
- Green (46%)
- Blue (34%)



- Red (86%)
- Yellow (50%)
- Blue (34%)



- Cyan (0%)
- Magenta (46%)
- Yellow (61%)
- Black (14%)





- Cyan (14%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8444, 0.4775, 0.3656 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 28.8444, 0.4775, 0.3656 by changing the saturation by 10% instead.


 28.8444, 0.4775,
0.3656


 28.8444, 0.4775,
0.3656


296.4801, 0.3890,
0.3521

 18.9631, 0.5006,
0.3665


 57.8298, 0.4443,
0.3623


 11.6436, 0.5304,
0.3657


 77.7027, 0.4321,
0.3606

 6.5015, 0.5692,
0.3611


 101.6749, 0.4219,
0.3589

 3.1524, 0.6392,
0.3581

 130.1309, 0.4133,
0.3573

 1.2118, 0.6869,
0.3131

 163.4550, 0.4059,
0.3559

 0.0713, 0.9319,
0.0681

202.0317, 0.3995,

 0.0000, 0.0000,

0.3545

0.0000

246.2452, 0.3939,
0.3533

■ 28.8444, 0.4775,
0.3656

■ 28.8444, 0.4775,
0.3656

■ 24.9449, 0.5174,
0.3675

■ 33.5558, 0.4397,
0.3612

■ 21.8054, 0.5561,
0.3659

■ 39.1180, 0.4059,
0.3553

■ 19.3745, 0.5891,
0.3601

■ 45.5725, 0.3767,
0.3487

■ 17.7250, 0.6118,
0.3524

■ 52.9570, 0.3520,
0.3420

■ 61.3067, 0.3313,
0.3356

■ 70.6551, 0.3142,
0.3295

■ 81.0342, 0.2998,
0.3240

■ 92.0172, 0.2916,
0.3258

■ 93.9560, 0.2917,
0.3289

Harmonies

Analogous

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



28.8444, 0.4432, 0.3065



28.8444, 0.4775, 0.3656



28.8444, 0.4593, 0.4253

Triad

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



28.8444, 0.4775, 0.3656



28.8444, 0.2490, 0.4240



28.8444, 0.2164, 0.2044

Complementary

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



28.8444, 0.4775, 0.3656



43.0945, 0.2284, 0.2835

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.



28.8444, 0.1794, 0.2157



28.8444, 0.4775, 0.3656



28.8444, 0.1945, 0.3335

Square

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



28.8444, 0.4775, 0.3656



28.8444, 0.3249, 0.4796



28.8444, 0.1717, 0.2578



28.8444, 0.2820, 0.2189

Rectangle

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



28.8444, 0.4775, 0.3656



28.8444, 0.4241, 0.4598



28.8444, 0.1717, 0.2578



28.8444, 0.2008, 0.2051

Sweetspot

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



28.8459, 0.4775, 0.3656



77.0927, 0.3459, 0.3402



25.5286, 0.3552, 0.2159



15.8001, 0.3523, 0.3421



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.8459, 0.4775, 0.3656



33.5759, 0.5281, 0.3675



50.2762, 0.4222, 0.4386



13.5543, 0.3286, 0.3347



10.5471, 0.6093, 0.3544



0.8172, 0.5772, 0.3799

Inverse Universe

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



43.0945, 0.2284, 0.2835



54.8212, 0.2168, 0.2722



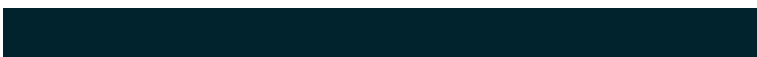
20.9922, 0.2056, 0.1822



14.2745, 0.2982, 0.3233



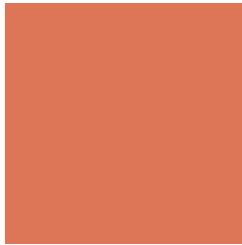
19.5216, 0.2028, 0.2502



1.3943, 0.2068, 0.2645

Previews

White Background



This preview shows how the Yxy color 28.8444, 0.4775, 0.3656 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 28.8444, 0.4775, 0.3656 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 28.8444, 0.4775, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 28.8444, 0.4775, 0.3656.



This preview shows how white text looks on a background with the Yxy color 28.8444, 0.4775, 0.3656.

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

28.8444, 0.4775, 0.3656

Protanopia

29.1014, 0.3761, 0.4070

Deuteranopia

28.9491, 0.4186, 0.4109



Tritanopia

28.7203, 0.4399, 0.3200

Trichromacy



Original Color

28.8444, 0.4775, 0.3656

Protanomaly

28.2224, 0.4127, 0.3904

Deuteranomaly

28.5964, 0.4412, 0.3935

Tritanomaly

28.7163, 0.4544, 0.3376

Monochromacy



Original Color

28.8444, 0.4775, 0.3656

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5538, 0.3678, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8444, 0.4775, 0.3656 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(220, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(220, 118, 86)  
}
```

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(220, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 118, 86) }
```

Border

The CSS property to change the border of an element to Yxy 28.8444, 0.4775, 0.3656 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(220, 118, 86) }
```

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

```
.border{ border-color:rgb(220, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(220, 118,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8444, 0.4775, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 118, 86) }
```

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

```
.background{ background-color: rgb(220,  
118, 86) }
```

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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