

Converting Colors

$Y_{xy}(32.3793, 0.4513, 0.3926)$

Have a look what the booklet for
Yxy(32.3793, 0.4513, 0.3926)
contains.

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Color

Yxy(32.2488, 0.4517, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	D28955
RGB	210, 137, 85
RGB Percent	82%, 54%, 33%
CMY	0.1765, 0.4627, 0.6667
CMYK	0.00, 0.35, 0.60, 0.18
HSL	25°, 58%, 58%
HSV	25°, 60%, 82%
XYZ	37.1602, 32.2488, 12.8584
YIQ	152.8990, 60.2000, -0.6960

Conversions

Conversions Part 2

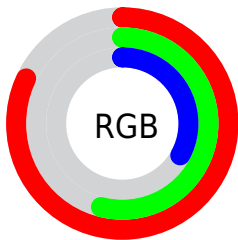
Format	Color
R _Y B	210, 174, 85
Decimal	13797717
CIE Lab	63.55, 22.73, 39.03
CIE LCh	64, 45.165, 59.784
Yxy	32.2488, 0.4517, 0.3920
Android (android.graphics.Color)	4291987797 (0xFFD28955)
YUV	152.8990, -33.4742, 50.0776
Hunter-Lab	56.7880, 17.4253, 26.3267

Details

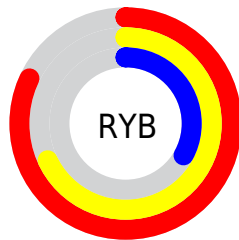
The Yxy color **32.2488, 0.4517, 0.3920** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **31.0241, 0.2223, 0.2500**, and the grayscale version is **31.9384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2992, 0.4119, 0.3861**, and **13.6254, 0.4936, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **28.6748, 0.4832, 0.3981**, and if you desaturate by 10%, it is **36.3211, 0.4215, 0.3830**.

Distribution



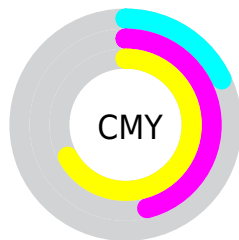
- Red (82%)
- Green (54%)
- Blue (33%)



- Red (82%)
- Yellow (68%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (60%)
- Black (18%)





- Cyan (18%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2488, 0.4517, 0.3920 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 32.2488, 0.4517, 0.3920 by changing the saturation by 10% instead.


 32.2488, 0.4517,
0.3920


 32.2488, 0.4517,
0.3920


312.2511, 0.3788,
0.3636

 21.5516, 0.4701,
0.3972


 63.2009, 0.4249,
0.3829

 13.5278, 0.4933,
0.4024


 84.2246, 0.4148,
0.3791


 7.7930, 0.5229,
0.4062


 109.4593, 0.4064,
0.3757

 3.9628, 0.5738,
0.4147

 139.2894, 0.3993,
0.3727

 1.6528, 0.6087,
0.3913

 174.0992, 0.3931,
0.3700

 0.3928, 0.7033,
0.2967

214.2731, 0.3877,

 0.0000, 0.0000,

0.3676

0.0000

260.1956, 0.3830,
0.3655

■ 32.2488, 0.4517,
0.3920

■ 32.2488, 0.4517,
0.3920

■ 28.6748, 0.4832,
0.3981

■ 36.3211, 0.4215,
0.3830

■ 25.5719, 0.5141,
0.4001

■ 40.9074, 0.3937,
0.3724

■ 22.9173, 0.5420,
0.3968

■ 46.0283, 0.3689,
0.3611

■ 20.6775, 0.5654,
0.3888

■ 51.7020, 0.3471,
0.3498

■ 20.5801, 0.5665,
0.3884

■ 57.9456, 0.3282,
0.3388

■ 64.7753, 0.3120,
0.3285

■ 72.2068, 0.2981,
0.3189

■ 80.2551, 0.2861,
0.3101

■ 87.6512, 0.2856,
0.3210

Harmonies

Analogous

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



32.2488, 0.4455, 0.3387



32.2488, 0.4517, 0.3920



32.2488, 0.4174, 0.4385

Triad

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



32.2488, 0.4517, 0.3920



32.2488, 0.2298, 0.3694



32.2488, 0.2575, 0.2240

Complementary

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



32.2488, 0.4517, 0.3920



31.0241, 0.2223, 0.2500

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.



32.2488, 0.2106, 0.2219



32.2488, 0.4517, 0.3920



32.2488, 0.1956, 0.2962

Square

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



32.2488, 0.4517, 0.3920



32.2488, 0.2884, 0.4360



32.2488, 0.1896, 0.2450



32.2488, 0.3252, 0.2476

Rectangle

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



32.2488, 0.4517, 0.3920



32.2488, 0.3791, 0.4573



32.2488, 0.1896, 0.2450



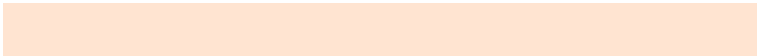
32.2488, 0.2391, 0.2207

Sweetspot

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



32.2504, 0.4517, 0.3920



81.4674, 0.3444, 0.3483



22.7327, 0.3822, 0.2402



16.8561, 0.3504, 0.3516



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.



32.2504, 0.4517, 0.3920



43.3448, 0.4903, 0.3990



54.5083, 0.4046, 0.4566



12.6051, 0.3280, 0.3387



12.7440, 0.5639, 0.3904



0.8676, 0.5312, 0.4164

Inverse Universe

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



31.0241, 0.2223, 0.2500



41.1738, 0.2075, 0.2302



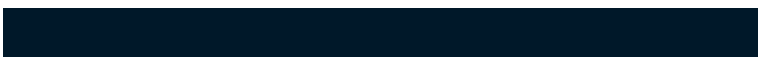
15.2237, 0.2014, 0.1557



12.5479, 0.2983, 0.3191



11.6211, 0.1855, 0.1876



0.8045, 0.1934, 0.2162

Previews

White Background



This preview shows how the Yxy color 32.2488, 0.4517, 0.3920 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.2488, 0.4517, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

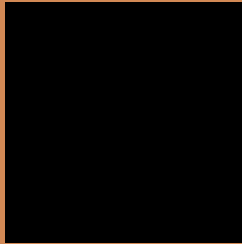
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2488, 0.4517, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 32.2488, 0.4517, 0.3920.



This preview shows how white text looks on a background with the Yxy color 32.2488, 0.4517, 0.3920.

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

32.2488, 0.4517, 0.3920

Protanopia

32.3015, 0.3888, 0.4213

Deuteranopia

32.3108, 0.4230, 0.4144



Tritanopia

32.1549, 0.3985, 0.3168

Trichromacy



Original Color

32.2488, 0.4517, 0.3920

Protanomaly

32.0914, 0.4112, 0.4104

Deuteranomaly

32.1553, 0.4340, 0.4051

Tritanomaly

32.2773, 0.4198, 0.3455

Monochromacy



Original Color

32.2488, 0.4517, 0.3920

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.4246, 0.3611, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2488, 0.4517, 0.3920 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(210, 137, 85)` looks like.

```
.text, #text, p{  
    color:rgb(210, 137, 85)  
}
```

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(210, 137, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 137, 85) }
```

Border

The CSS property to change the border of an element to Yxy 32.2488, 0.4517, 0.3920 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(210, 137, 85) }
```

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

```
.border{ border-color:rgb(210, 137, 85) }
```

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

Here you see how a box with a 4 pixel rgb(210, 137, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 137, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 137, 85);  
box-shadow:4px 4px 4px 4px rgb(210, 137,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2488, 0.4517, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 137, 85) }
```

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

```
.background{ background-color: rgb(210,  
137, 85) }
```

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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