

Converting Colors

$Y_{xy}(20.6060, 0.4205, 0.4014)$

Have a look what the booklet for
Yxy(20.6060, 0.4205, 0.4014)
contains.

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Color

$Y_{xy}(20.6060, 0.4205, 0.4014)$

Conversions

Conversions Part 1

Format	Color
Hex	9D7649
RGB	157, 118, 73
RGB Percent	62%, 46%, 29%
CMY	0.3843, 0.5372, 0.7137
CMYK	0.00, 0.25, 0.54, 0.38
HSL	32°, 37%, 45%
HSV	32°, 54%, 62%
XYZ	21.5865, 20.6060, 9.1428
YIQ	124.5310, 37.6890, -5.7270

Conversions

Conversions Part 2

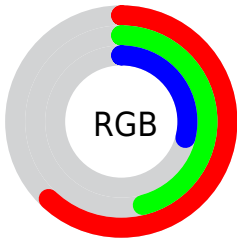
Format	Color
R_{YB}	146, 157, 73
Decimal	10319433
CIE _{Lab}	52.52, 9.73, 30.55
CIE _{LCh}	53, 32.064, 72.327
Yxy	20.6060, 0.4205, 0.4014
Android (android.graphics.Color)	4288509513 (0xFF9D7649)
YUV	124.5310, -25.4048, 28.4753
Hunter-Lab	45.3938, 5.4444, 19.8340

Details

The Yxy color **20.6060, 0.4205, 0.4014** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.4404, 0.2279, 0.2406**, and the grayscale version is **20.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4757, 0.3970, 0.3865**, and **7.3430, 0.4598, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **18.7732, 0.4459, 0.4122**, and if you desaturate by 10%, it is **22.6261, 0.3961, 0.3886**.

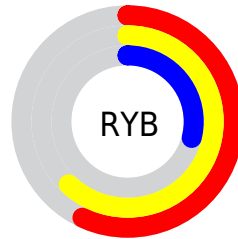
Distribution



Red (62%)

Green (46%)

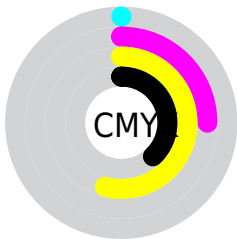
Blue (29%)



Red (57%)

Yellow (62%)

Blue (29%)

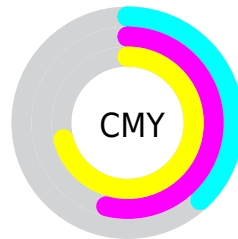


Cyan (0%)

Magenta (25%)

Yellow (54%)

Black (38%)



Cyan (38%)


Magenta (54%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6060, 0.4205, 0.4014 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 20.6060, 0.4205, 0.4014 by changing the saturation by 10% instead.


 20.6060, 0.4205,
0.4014


 20.6060, 0.4205,
0.4014


255.1771, 0.3600,
0.3630

 12.8363, 0.4375,
0.4109


 44.4309, 0.3970,
0.3873

 7.3159, 0.4601,
0.4223


 61.2549, 0.3886,
0.3820

 3.6605, 0.4934,
0.4375

 81.8657, 0.3817,
0.3775

 1.4855, 0.5443,
0.4557

 106.6479, 0.3759,
0.3737

 0.2785, 0.6433,
0.3567

 135.9857, 0.3710,
0.3705

 0.0000, 0.0000,
0.0000

170.2636, 0.3668,

0.3677

209.8659, 0.3632,
0.3652

■ 20.6060, 0.4205,
0.4014

■ 20.6060, 0.4205,
0.4014

■ 18.7732, 0.4459,
0.4122

■ 22.6261, 0.3961,
0.3886

■ 17.1177, 0.4711,
0.4198

■ 24.8370, 0.3735,
0.3747

■ 15.6327, 0.4950,
0.4231

■ 27.2458, 0.3528,
0.3606

■ 14.3096, 0.5159,
0.4213

■ 29.8582, 0.3344,
0.3467

■ 13.5260, 0.5286,
0.4185

■ 32.6798, 0.3180,
0.3335

■ 35.7157, 0.3036,
0.3210

■ 38.9710, 0.2909,
0.3094

■ 42.4504, 0.2798,
0.2987

■ 46.1587, 0.2700,
0.2889

Harmonies

Analogous

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



20.6060, 0.4291, 0.3581



20.6060, 0.4205, 0.4014



20.6060, 0.3822, 0.4314

Triad

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



20.6060, 0.4205, 0.4014



20.6060, 0.2287, 0.3369



20.6060, 0.2894, 0.2464

Complementary

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



20.6060, 0.4205, 0.4014



15.4404, 0.2279, 0.2406

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.



20.6060, 0.2411, 0.2368



20.6060, 0.4205, 0.4014



20.6060, 0.2088, 0.2824

Square

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



20.6060, 0.4205, 0.4014



20.6060, 0.2711, 0.3959



20.6060, 0.2133, 0.2481



20.6060, 0.3491, 0.2734

Rectangle

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



20.6060, 0.4205, 0.4014



20.6060, 0.3465, 0.4362



20.6060, 0.2133, 0.2481



20.6060, 0.2714, 0.2410

Sweetspot

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



20.6070, 0.4205, 0.4014



52.1200, 0.3393, 0.3506



13.1082, 0.3904, 0.2662



11.2725, 0.3428, 0.3532



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.6070, 0.4205, 0.4014



33.0836, 0.4503, 0.4138



31.4871, 0.3854, 0.4557



7.2050, 0.3271, 0.3410



11.0595, 0.5275, 0.4194



0.2820, 0.4753, 0.4608

Inverse Universe

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



15.4404, 0.2279, 0.2406



22.8600, 0.2107, 0.2168



8.7280, 0.2151, 0.1642



6.9175, 0.2988, 0.3167



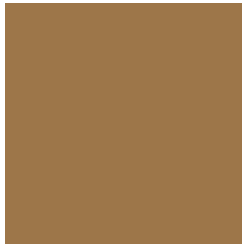
5.9090, 0.1749, 0.1496



0.1896, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 20.6060, 0.4205, 0.4014 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 20.6060, 0.4205, 0.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

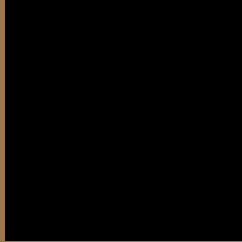
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6060, 0.4205, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 20.6060, 0.4205, 0.4014.



This preview shows how white text looks on a background with the Yxy color 20.6060, 0.4205, 0.4014.

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

20.6060, 0.4205, 0.4014

Protanopia

20.7619, 0.3841, 0.4179

Deuteranopia

20.6863, 0.4134, 0.4062



Tritanopia

20.5459, 0.3668, 0.3147

Trichromacy



Original Color

20.6060, 0.4205, 0.4014

Protanomaly

20.6032, 0.3967, 0.4117

Deuteranomaly

20.5447, 0.4157, 0.4042

Tritanomaly

20.5077, 0.3877, 0.3455

Monochromacy



Original Color

20.6060, 0.4205, 0.4014

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2780, 0.3508, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6060, 0.4205, 0.4014 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(157, 118, 73)` looks like.

```
.text, #text, p{  
    color:rgb(157, 118, 73)  
}
```

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(157, 118, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 118, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.6060, 0.4205, 0.4014 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(157, 118, 73) }
```

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

```
.border{ border-color:rgb(157, 118, 73) }
```

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

Here you see how a box with a 4 pixel rgb(157, 118, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 118, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 118, 73);  
box-shadow:4px 4px 4px 4px rgb(157, 118,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6060, 0.4205, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 118, 73) }
```

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

```
.background{ background-color: rgb(157,  
118, 73) }
```

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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