

Converting Colors

$Y_{xy}(20.5601, 0.4467, 0.4058)$

Have a look what the booklet for
Yxy(20.5601, 0.4467, 0.4058)
contains.

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Color

Yxy(20.5005, 0.4474, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	A6723F
RGB	166, 114, 63
RGB Percent	65%, 45%, 25%
CMY	0.3490, 0.5529, 0.7530
CMYK	0.00, 0.31, 0.62, 0.35
HSL	30°, 45%, 45%
HSV	30°, 62%, 65%
XYZ	22.6411, 20.5005, 7.4644
YIQ	123.7340, 47.3630, -4.8370

Conversions

Conversions Part 2

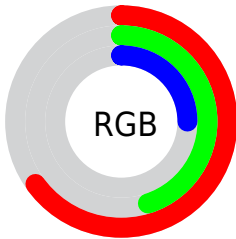
Format	Color
R_{YB}	166, 164, 63
Decimal	10908223
CIE _{Lab}	52.40, 15.13, 36.07
CIE _{LCh}	52, 39.118, 67.249
Yxy	20.5005, 0.4474, 0.4051
Android (android.graphics.Color)	4289098303 (0xFFA6723F)
YUV	123.7340, -29.9419, 37.0673
Hunter-Lab	45.2775, 10.0239, 21.9198

Details

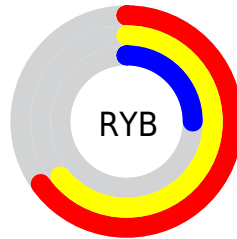
The Yxy color **20.5005, 0.4474, 0.4051** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.0695, 0.2167, 0.2312**, and the grayscale version is **20.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2896, 0.4187, 0.3920**, and **7.2488, 0.4936, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **18.5383, 0.4747, 0.4123**, and if you desaturate by 10%, it is **22.6939, 0.4205, 0.3948**.

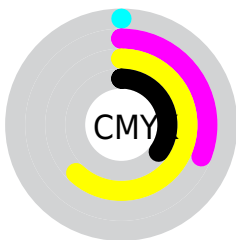
Distribution



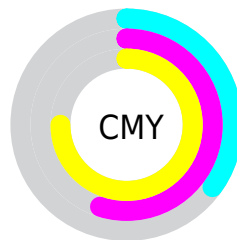
- Red (65%)
- Green (45%)
- Blue (25%)



- Red (65%)
- Yellow (64%)
- Blue (25%)



- Cyan (0%)
- Magenta (31%)
- Yellow (62%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5005, 0.4474, 0.4051 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 20.5005, 0.4474, 0.4051 by changing the saturation by 10% instead.


 20.5005, 0.4474,
0.4051


 20.5005, 0.4474,
0.4051


254.6119, 0.3722,
0.3667

 12.7594, 0.4679,
0.4132


 44.2547, 0.4185,
0.3918

 7.2631, 0.4944,
0.4216


 61.0366, 0.4081,
0.3865

 3.6272, 0.5408,
0.4377

 81.6009, 0.3995,
0.3820

 1.4673, 0.5741,
0.4259

 106.3320, 0.3922,
0.3781

 0.2655, 0.7007,
0.2993

 135.6142, 0.3861,
0.3747

 0.0000, 0.0000,
0.0000

 169.8320, 0.3808,

0.3717

209.3698, 0.3762,
0.3690

■ 20.5005, 0.4474,
0.4051

■ 20.5005, 0.4474,
0.4051

■ 18.5383, 0.4747,
0.4123

■ 22.6939, 0.4205,
0.3948

■ 16.7945, 0.5009,
0.4153

■ 25.1245, 0.3950,
0.3827

■ 15.2590, 0.5242,
0.4132

■ 27.8017, 0.3716,
0.3697

■ 14.1732, 0.5409,
0.4087

■ 30.7334, 0.3507,
0.3565

■ 33.9270, 0.3321,
0.3437

■ 37.3897, 0.3158,
0.3314

■ 41.1281, 0.3016,
0.3200

■ 45.1490, 0.2892,
0.3094

■ 49.4585, 0.2783,
0.2996

Harmonies

Analogous

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



20.5005, 0.4522, 0.3521



20.5005, 0.4474, 0.4051



20.5005, 0.4047, 0.4479

Triad

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



20.5005, 0.4474, 0.4051



20.5005, 0.2181, 0.3504



20.5005, 0.2725, 0.2274

Complementary

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



20.5005, 0.4474, 0.4051



16.0695, 0.2167, 0.2312

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.



20.5005, 0.2193, 0.2195



20.5005, 0.4474, 0.4051



20.5005, 0.1907, 0.2805

Square

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



20.5005, 0.4474, 0.4051



20.5005, 0.2718, 0.4231



20.5005, 0.1916, 0.2360



20.5005, 0.3439, 0.2559

Rectangle

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



20.5005, 0.4474, 0.4051



20.5005, 0.3631, 0.4610



20.5005, 0.1916, 0.2360



20.5005, 0.2522, 0.2223

Sweetspot

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



20.5015, 0.4474, 0.4051



57.2931, 0.3454, 0.3530



12.9273, 0.4006, 0.2506



12.4739, 0.3508, 0.3566



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.5015, 0.4474, 0.4051



32.5493, 0.4836, 0.4138



35.1210, 0.3995, 0.4684



8.1329, 0.3274, 0.3402



11.0831, 0.5396, 0.4098



0.3722, 0.4901, 0.4490

Inverse Universe

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



16.0695, 0.2167, 0.2312



23.8312, 0.1997, 0.2058



7.5566, 0.1953, 0.1366



7.9029, 0.2987, 0.3175



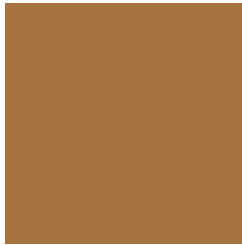
7.1212, 0.1784, 0.1623



0.2755, 0.1951, 0.2225

Previews

White Background



This preview shows how the Yxy color 20.5005, 0.4474, 0.4051 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 20.5005, 0.4474, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

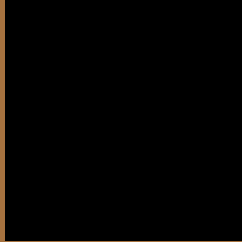
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5005, 0.4474, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 20.5005, 0.4474, 0.4051.



This preview shows how white text looks on a background with the Yxy color 20.5005, 0.4474, 0.4051.

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

20.5005, 0.4474, 0.4051

Protanopia

20.4758, 0.3958, 0.4304

Deuteranopia

20.4115, 0.4278, 0.4199



Tritanopia

20.5321, 0.3873, 0.3169

Trichromacy



Original Color

20.5005, 0.4474, 0.4051

Protanomaly

20.3640, 0.4137, 0.4205

Deuteranomaly

20.3395, 0.4351, 0.4148

Tritanomaly

20.4499, 0.4117, 0.3494

Monochromacy



Original Color

20.5005, 0.4474, 0.4051

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8812, 0.3592, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5005, 0.4474, 0.4051 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(166, 114, 63)` looks like.

```
.text, #text, p{  
    color:rgb(166, 114, 63)  
}
```

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(166, 114, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 114, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.5005, 0.4474, 0.4051 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(166, 114, 63) }
```

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

```
.border{ border-color:rgb(166, 114, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 114, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 114, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 114, 63);  
box-shadow:4px 4px 4px 4px rgb(166, 114,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5005, 0.4474, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 114, 63) }
```

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

```
.background{ background-color: rgb(166,  
114, 63) }
```

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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