

Converting Colors

$Y_{xy}(10.5975, 0.4532, 0.4784)$

Have a look what the booklet for
Yxy(10.5975, 0.4532, 0.4784)
contains.

Yxy(10.6273, 0.4537, 0.4780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6273, 0.4537, 0.4780)

Conversions

Conversions Part 1

Format	Color
Hex	6E5A00
RGB	110, 90, 0
RGB Percent	43%, 35%, 0%
CMY	0.5686, 0.6471, 1.0000
CMYK	0.00, 0.18, 1.00, 0.57
HSL	49°, 100%, 22%
HSV	49°, 100%, 43%
XYZ	10.0870, 10.6273, 1.5185
YIQ	85.7200, 40.8100, -23.7500

Conversions

Conversions Part 2

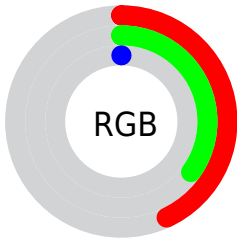
Format	Color
R_{YB}	24, 110, 0
Decimal	7232000
CIE Lab	38.95, -0.11, 46.59
CIE LCh	39, 46.593, 90.134
Yxy	10.6273, 0.4537, 0.4780
Android (android.graphics.Color)	4285422080 (0xFF6E5A00)
YUV	85.7200, -42.2600, 21.2936
Hunter-Lab	32.5995, -1.8172, 20.0579

Details

The Yxy color **10.6273, 0.4537, 0.4780** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6265, 0.1564, 0.0830**, and the grayscale version is **9.3288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0509, 0.4242, 0.4477**, and **2.7763, 0.4584, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **10.6279, 0.4537, 0.4780**, and if you desaturate by 10%, it is **10.9941, 0.4446, 0.4737**.

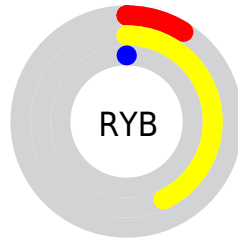
Distribution



Red (43%)

Green (35%)

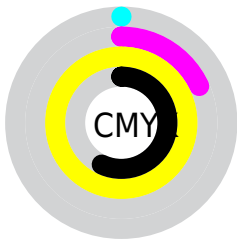
Blue (0%)



Red (9%)

Yellow (43%)

Blue (0%)

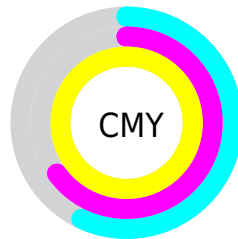


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (57%)



Cyan (57%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6273, 0.4537, 0.4780 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 10.6273, 0.4537, 0.4780 by changing the saturation by 10% instead.


 10.6273, 0.4537,
0.4780


 10.6273, 0.4537,
0.4780


 195.0924, 0.3746,
0.3943


 5.8168, 0.4771,
0.5028

 26.9689, 0.4250,
0.4476


 2.7340, 0.4868,
0.5132


 39.2688, 0.4138,
0.4358

 0.9945, 0.4865,
0.5135

 54.8339, 0.4044,
0.4258


 0.0000, 0.0000,
0.0000

 74.0488, 0.3965,
0.4175

 97.2976, 0.3897,
0.4103

 124.9649, 0.3839,


0.4042


 157.4351, 0.3789,
0.3989


 10.6273, 0.4537,
0.4780


 10.6273, 0.4537,
0.4780

 10.6279, 0.4537,
0.4780

 10.9941, 0.4446,
0.4737

 11.3791, 0.4343,
0.4672

 11.7915, 0.4217,
0.4567

 12.2333, 0.4072,
0.4426

 12.7064, 0.3914,
0.4259

■ 13.2124, 0.3750,
0.4073

■ 13.7529, 0.3586,
0.3876

■ 14.3293, 0.3425,
0.3677

■ 14.9428, 0.3271,
0.3480

Harmonies

Analogous

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



10.6273, 0.5107, 0.4059



10.6273, 0.4537, 0.4780



10.6273, 0.3657, 0.5257

Triad

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



10.6273, 0.4537, 0.4780



10.6273, 0.1487, 0.2737



10.6273, 0.3296, 0.2162

Complementary

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



10.6273, 0.4537, 0.4780



1.6265, 0.1564, 0.0830

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.



10.6273, 0.2329, 0.1847



10.6273, 0.4537, 0.4780



10.6273, 0.1436, 0.2058

Square

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



10.6273, 0.4537, 0.4780



10.6273, 0.1906, 0.3868



10.6273, 0.1710, 0.1796



10.6273, 0.4386, 0.2692

Rectangle

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



10.6273, 0.4537, 0.4780



10.6273, 0.3012, 0.5178



10.6273, 0.1710, 0.1796



10.6273, 0.2942, 0.2030

Sweetspot

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



10.6279, 0.4537, 0.4780



24.0716, 0.3599, 0.3892



3.3665, 0.6018, 0.3089



5.5314, 0.3650, 0.3954



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.6279, 0.4537, 0.4780



18.5049, 0.4547, 0.4772



12.6561, 0.3669, 0.5469



3.8181, 0.3257, 0.3461



12.7278, 0.4540, 0.4777



62.2513, 0.4563, 0.4759

Inverse Universe

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



1.6265, 0.1564, 0.0830



2.7146, 0.1554, 0.0794



1.4804, 0.1766, 0.0746



3.3896, 0.2996, 0.3113



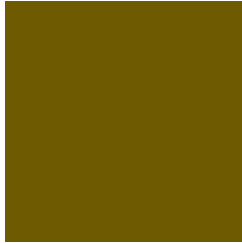
1.9185, 0.1560, 0.0817



8.6125, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 10.6273, 0.4537, 0.4780 looks on a white 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

Black Background



This preview shows how the Yxy color 10.6273, 0.4537, 0.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

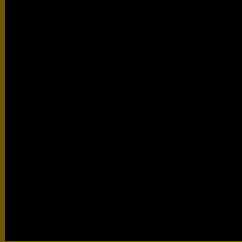
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6273, 0.4537, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 10.6273, 0.4537, 0.4780.



This preview shows how white text looks on a background with the Yxy color 10.6273, 0.4537, 0.4780.

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

10.6273, 0.4537, 0.4780

Protanopia

10.6061, 0.4380, 0.4860

Deuteranopia

10.5491, 0.4647, 0.4598



Tritanopia

10.7237, 0.3564, 0.3162

Trichromacy



Original Color

10.6273, 0.4537, 0.4780

Protanomaly

10.5529, 0.4437, 0.4826

Deuteranomaly

10.5700, 0.4610, 0.4658

Tritanomaly

10.4617, 0.4080, 0.3925

Monochromacy



Original Color

10.6273, 0.4537, 0.4780

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.5251, 0.3779, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6273, 0.4537, 0.4780 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(110, 90, 0)` looks like.

```
.text, #text, p{  
  color:rgb(110, 90, 0)  
}
```

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(110, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.6273, 0.4537, 0.4780 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(110, 90, 0) }
```

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

```
.border{ border-color:rgb(110, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(110, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6273, 0.4537, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 90, 0) }
```

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

```
.background{ background-color: rgb(110, 90,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor