

Converting Colors

$Y_{xy}(10.2563, 0.2990, 0.4441)$

Have a look what the booklet for
Yxy(10.2563, 0.2990, 0.4441)
contains.

Yxy(10.2249, 0.2997, 0.4445)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.2249, 0.2997, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	36643C
RGB	54, 100, 60
RGB Percent	21%, 39%, 24%
CMY	0.7882, 0.6078, 0.7647
CMYK	0.46, 0.00, 0.40, 0.61
HSL	128°, 30%, 30%
HSV	128°, 46%, 39%
XYZ	6.8940, 10.2249, 5.8842
YIQ	81.6860, -14.5760, -22.1920

Conversions

Conversions Part 2

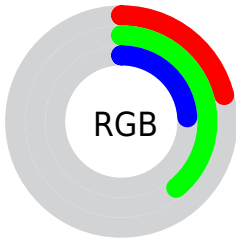
Format	Color
RYB	54, 95, 100
Decimal	3564604
CIELab	38.24, -25.29, 17.91
CIELCh	38, 30.985, 144.693
Yxy	10.2249, 0.2997, 0.4445
Android (android.graphics.Color)	4281754684 (0xFF36643C)
YUV	81.6860, -10.6912, -24.2806
Hunter-Lab	31.9764, -17.4745, 11.4731

Details

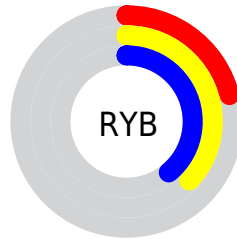
The Yxy color **10.2249, 0.2997, 0.4445** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.1564, 0.3296, 0.2361**, and the grayscale version is **8.3958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1590, 0.3051, 0.4097**, and **2.6060, 0.2837, 0.5236** is the 20% darker color. If you saturate the color by 10%, you get **9.8920, 0.2975, 0.4746**, and if you desaturate by 10%, it is **10.6307, 0.3023, 0.4154**.

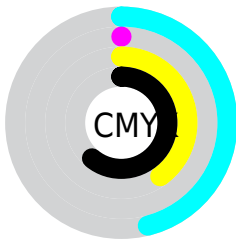
Distribution



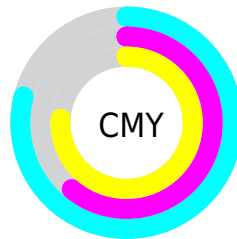
- Red (21%)
- Green (39%)
- Blue (24%)



- Red (21%)
- Yellow (37%)
- Blue (39%)



- Cyan (46%)
- Magenta (0%)
- Yellow (40%)
- Black (61%)





- Cyan (79%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2249, 0.2997, 0.4445 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 10.2249, 0.2997, 0.4445 by changing the saturation by 10% instead.


 10.2249, 0.2997,
0.4445


 10.2249, 0.2997,
0.4445


192.2698, 0.3097,
0.3691


 5.5483, 0.2942,
0.4743

 26.2177, 0.3049,
0.4106


 2.5724, 0.2833,
0.5238


 38.3026, 0.3063,
0.4001

 0.9128, 0.2151,
0.7849

 53.6259, 0.3073,
0.3920

 0.0000, 0.0000,
0.0000

 72.5718, 0.3080,
0.3856

 95.5247, 0.3086,
0.3803

 122.8691, 0.3091,

0.3759

154.9893, 0.3094,
0.3722

■ 10.2249, 0.2997,
0.4445

■ 10.2249, 0.2997,
0.4445

■ 9.8920, 0.2975,
0.4746

■ 10.6307, 0.3023,
0.4154

■ 9.6264, 0.2959,
0.5045

■ 11.1121, 0.3052,
0.3882

■ 9.4239, 0.2951,
0.5326

■ 11.6731, 0.3081,
0.3634

■ 9.2793, 0.2951,
0.5570

■ 12.3170, 0.3110,
0.3411

■ 9.1796, 0.2956,
0.5767

■ 13.0471, 0.3138,
0.3214

 9.1439, 0.2954,
0.5833

 13.8663, 0.3165,
0.3041

 14.7777, 0.3190,
0.2890

 15.7838, 0.3214,
0.2758

 16.8874, 0.3236,
0.2644

Harmonies

Analogous

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



10.2249, 0.3687, 0.4602



10.2249, 0.2997, 0.4445



10.2249, 0.2379, 0.3826

Triad

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



10.2249, 0.2997, 0.4445



10.2249, 0.2046, 0.2234



10.2249, 0.4407, 0.3297

Complementary

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



10.2249, 0.2997, 0.4445



6.1564, 0.3296, 0.2361

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.



10.2249, 0.3861, 0.2801



10.2249, 0.2997, 0.4445



10.2249, 0.2474, 0.2215

Square

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



10.2249, 0.2997, 0.4445



10.2249, 0.1880, 0.2512



10.2249, 0.3128, 0.2418



10.2249, 0.4546, 0.3833

Rectangle

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



10.2249, 0.2997, 0.4445



10.2249, 0.2088, 0.3315



10.2249, 0.3128, 0.2418



10.2249, 0.4263, 0.3123

Sweetspot

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



10.2253, 0.2997, 0.4445



20.6328, 0.3086, 0.3597



11.7946, 0.3676, 0.4377



5.0350, 0.3081, 0.3634



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.2253, 0.2997, 0.4445



17.3092, 0.2974, 0.4765



10.5140, 0.2738, 0.3780



3.1479, 0.3102, 0.3474



12.2389, 0.2959, 0.5852



63.7551, 0.2976, 0.5915

Inverse Universe

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



6.1564, 0.3296, 0.2361



9.2028, 0.3344, 0.2169



5.8112, 0.3804, 0.2859



2.8832, 0.3154, 0.3113



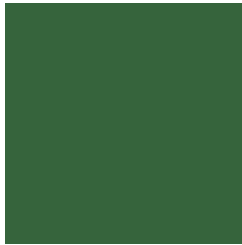
4.5442, 0.3552, 0.1730



23.6095, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 10.2249, 0.2997, 0.4445 looks on a white background.

Color Contrast Check

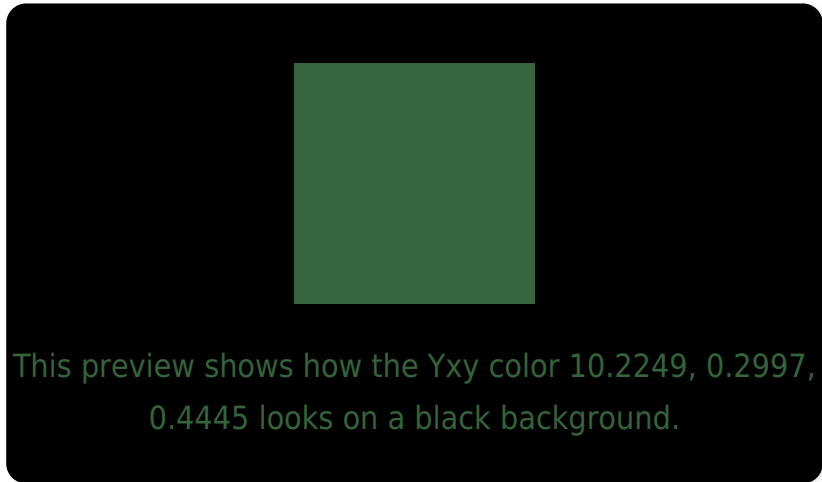
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

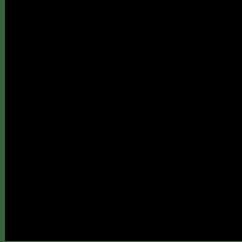
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2249, 0.2997, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 10.2249, 0.2997, 0.4445.



This preview shows how white text looks on a background with the Yxy color 10.2249, 0.2997, 0.4445.

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

10.2249, 0.2997, 0.4445

Protanopia

10.1945, 0.3791, 0.4108

Deuteranopia

10.1403, 0.3876, 0.3820



Tritanopia

10.2205, 0.2590, 0.3082

Trichromacy



Original Color

10.2249, 0.2997, 0.4445

Protanomaly

10.0947, 0.3468, 0.4259

Deuteranomaly

9.9047, 0.3517, 0.4034

Tritanomaly

10.1982, 0.2745, 0.3562

Monochromacy



Original Color

10.2249, 0.2997, 0.4445

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.0169, 0.3076, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2249, 0.2997, 0.4445 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(54, 100, 60)` looks like.

```
.text, #text, p{  
    color:rgb(54, 100, 60)  
}
```

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(54, 100, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 100, 60) }
```

Border

The CSS property to change the border of an element to Yxy 10.2249, 0.2997, 0.4445 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(54, 100, 60) }
```

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

```
.border{ border-color:rgb(54, 100, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 100, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 100, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 100, 60);  
box-shadow:4px 4px 4px 4px rgb(54, 100,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2249, 0.2997, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 100, 60) }
```

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

```
.background{ background-color: rgb(54, 100,  
60) }
```

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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