

Converting Colors

$Y_{xy}(28.5962, 0.3693, 0.4199)$

Have a look what the booklet for
Yxy(28.5962, 0.3693, 0.4199)
contains.

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Color

Yxy(28.7516, 0.3695, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	96955C
RGB	150, 149, 92
RGB Percent	59%, 58%, 36%
CMY	0.4117, 0.4157, 0.6391
CMYK	0.00, 0.01, 0.39, 0.41
HSL	59°, 24%, 47%
HSV	59°, 39%, 59%
XYZ	25.2585, 28.7516, 14.3485
YIQ	142.8010, 18.8930, -17.5150

Conversions

Conversions Part 2

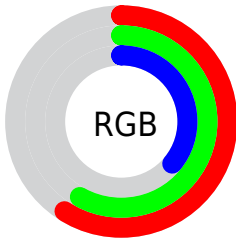
Format	Color
R_{YB}	93, 150, 92
Decimal	9868636
CIE _{Lab}	60.56, -8.55, 30.23
CIE _{LCh}	61, 31.413, 105.791
Yxy	28.7516, 0.3695, 0.4206
Android (android.graphics.Color)	4288058716 (0xFF96955C)
YUV	142.8010, -25.0449, 6.3135
Hunter-Lab	53.6205, -9.7517, 21.6688

Details

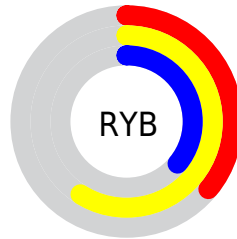
The Yxy color $28.7516, 0.3695, 0.4206$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.3124, 0.2443, 0.2173$, and the grayscale version is $27.4824, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6742, 0.3586, 0.4017$, and $11.5139, 0.3873, 0.4523$ is the 20% darker color. If you saturate the color by 10%, you get $28.4337, 0.3831, 0.4424$, and if you desaturate by 10%, it is $29.1242, 0.3550, 0.3973$.

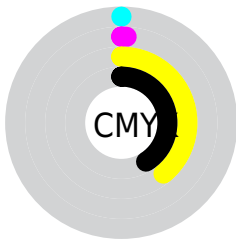
Distribution



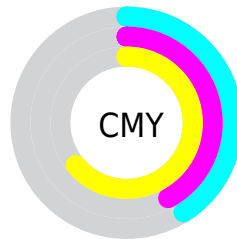
- Red (59%)
- Green (58%)
- Blue (36%)



- Red (36%)
- Yellow (59%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (39%)
- Black (41%)





- Cyan (41%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7516, 0.3695, 0.4206 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 28.7516, 0.3695, 0.4206 by changing the saturation by 10% instead.


 28.7516, 0.3695,
0.4206


 28.7516, 0.3695,
0.4206


296.0411, 0.3400,
0.3708

 18.8930, 0.3769,
0.4342


 57.6822, 0.3587,
0.4016

 11.5930, 0.3861,
0.4521


 77.5230, 0.3546,
0.3947

 6.4672, 0.3976,
0.4766


 101.4599, 0.3512,
0.3890

 3.1312, 0.4186,
0.5206

 129.8774, 0.3483,
0.3842

 1.2006, 0.4296,
0.5704

163.1599, 0.3458,
0.3801

 0.0622, 0.0000,
1.0000

201.6918, 0.3436,

 0.0000, 0.0000,

0.3766

0.0000

245.8574, 0.3417,
0.3735

■ 28.7516, 0.3695,
0.4206

■ 28.7516, 0.3695,
0.4206

■ 28.4337, 0.3831,
0.4424

■ 29.1242, 0.3550,
0.3973

■ 28.1636, 0.3953,
0.4617

■ 29.5505, 0.3400,
0.3732

■ 27.9391, 0.4055,
0.4777

■ 30.0344, 0.3252,
0.3492


■ 27.7564, 0.4133,
0.4898


■ 30.5783, 0.3108,
0.3259

■ 27.6111, 0.4187,
0.4978

■ 31.1846, 0.2971,
0.3037

 27.4937, 0.4219,
0.5023

 31.8555, 0.2844,
0.2829

 27.4783, 0.4223,
0.5029

 32.5929, 0.2725,
0.2636

 33.3990, 0.2617,
0.2459

 34.2756, 0.2518,
0.2298

Harmonies

Analogous

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



28.7516, 0.4051, 0.3977



28.7516, 0.3695, 0.4206



28.7516, 0.3203, 0.4166

Triad

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



28.7516, 0.3695, 0.4206



28.7516, 0.2197, 0.2841



28.7516, 0.3509, 0.2833

Complementary

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



28.7516, 0.3695, 0.4206



12.3124, 0.2443, 0.2173

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.



28.7516, 0.2983, 0.2574



28.7516, 0.3695, 0.4206



28.7516, 0.2262, 0.2554

Square

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



28.7516, 0.3695, 0.4206



28.7516, 0.2354, 0.3304



28.7516, 0.2536, 0.2471



28.7516, 0.3954, 0.3198

Rectangle

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



28.7516, 0.3695, 0.4206



28.7516, 0.2868, 0.3962



28.7516, 0.2536, 0.2471



28.7516, 0.3334, 0.2732

Sweetspot

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



28.7529, 0.3695, 0.4206



52.6814, 0.3305, 0.3578



14.9503, 0.4017, 0.3259



11.6532, 0.3322, 0.3605



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.7529, 0.3695, 0.4206



50.2667, 0.3808, 0.4387



26.7949, 0.3388, 0.4322



6.7276, 0.3260, 0.3505



22.7930, 0.4223, 0.5029



0.2834, 0.4207, 0.5042

Inverse Universe

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



12.3124, 0.2443, 0.2173



17.2172, 0.2271, 0.1891



13.7882, 0.2763, 0.2247



5.6481, 0.2989, 0.3065



1.8781, 0.1504, 0.0615



0.0262, 0.1525, 0.0691

Previews

White Background



This preview shows how the Yxy color 28.7516, 0.3695, 0.4206 looks on a white background.

Color Contrast Check

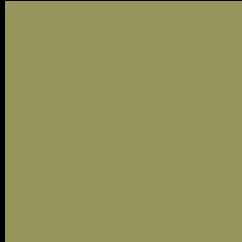
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7516, 0.3695, 0.4206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

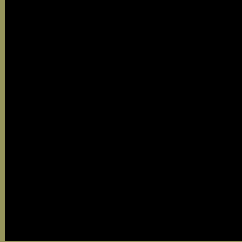
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7516, 0.3695, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 28.7516, 0.3695, 0.4206.



This preview shows how white text looks on a background with the Yxy color 28.7516, 0.3695, 0.4206.

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

28.7516, 0.3695, 0.4206

Protanopia

28.6840, 0.3825, 0.4146

Deuteranopia

28.7944, 0.4031, 0.3961



Tritanopia

28.8140, 0.3178, 0.3122

Trichromacy



Original Color

28.7516, 0.3695, 0.4206

Protanomaly

28.6907, 0.3785, 0.4171

Deuteranomaly

28.6507, 0.3917, 0.4046

Tritanomaly

28.7595, 0.3365, 0.3512

Monochromacy



Original Color

28.7516, 0.3695, 0.4206

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.8170, 0.3348, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7516, 0.3695, 0.4206 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(150, 149, 92)` looks like.

```
.text, #text, p{  
    color:rgb(150, 149, 92)  
}
```

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(150, 149, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 149, 92) }
```

Border

The CSS property to change the border of an element to Yxy 28.7516, 0.3695, 0.4206 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(150, 149, 92) }
```

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

```
.border{ border-color:rgb(150, 149, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 149, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 149, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 149, 92);  
box-shadow:4px 4px 4px 4px rgb(150, 149,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7516, 0.3695, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 149, 92) }
```

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

```
.background{ background-color: rgb(150,  
149, 92) }
```

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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