

Converting Colors

$Y_{xy}(28.2331, 0.4317, 0.4955)$

Have a look what the booklet for
Yxy(28.2331, 0.4317, 0.4955)
contains.

Yxy(28.1365, 0.4319, 0.4953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1365, 0.4319, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	9E9300
RGB	158, 147, 0
RGB Percent	62%, 58%, 0%
CMY	0.3804, 0.4235, 1.0000
CMYK	0.00, 0.07, 1.00, 0.38
HSL	56°, 100%, 31%
HSV	56°, 100%, 62%
XYZ	24.5349, 28.1365, 4.1355
YIQ	133.5310, 53.7430, -43.3850

Conversions

Conversions Part 2

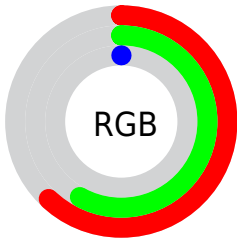
Format	Color
R _Y B	12, 158, 0
Decimal	10392320
CIE Lab	60.01, -9.28, 63.83
CIE LCh	60, 64.497, 98.270
Yxy	28.1365, 0.4319, 0.4953
Android (android.graphics.Color)	4288582400 (0xFF9E9300)
YUV	133.5310, -65.8308, 21.4593
Hunter-Lab	53.0438, -10.2632, 32.5082

Details

The Yxy color **28.1365, 0.4319, 0.4953** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7083, 0.1515, 0.0652**, and the grayscale version is **23.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8272, 0.4145, 0.4679**, and **11.3742, 0.4276, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **28.1380, 0.4319, 0.4953**, and if you desaturate by 10%, it is **28.5187, 0.4276, 0.4917**.

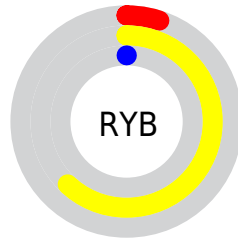
Distribution



Red (62%)

Green (58%)

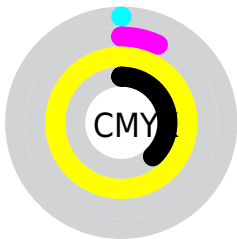
Blue (0%)



Red (5%)

Yellow (62%)

Blue (0%)

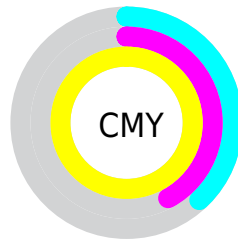


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1365, 0.4319, 0.4953 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 28.1365, 0.4319, 0.4953 by changing the saturation by 10% instead.


 28.1365, 0.4319,
0.4953


 28.1365, 0.4319,
0.4953


293.1186, 0.3769,
0.4124


 18.4286, 0.4407,
0.5121


 56.7023, 0.4148,
0.4672


 11.2581, 0.4502,
0.5327


 76.3290, 0.4074,
0.4558


 6.2407, 0.4515,
0.5485


 100.0307, 0.4007,
0.4460

 2.9920, 0.4414,
0.5586

 128.1918, 0.3948,
0.4374

 1.1276, 0.4231,
0.5769

 161.1968, 0.3896,
0.4299

 0.0013, 0.0000,
1.0000


 199.4300, 0.3849,


 0.0000, 0.0000,


0.4234


0.0000


 243.2758, 0.3807,
0.4176


 28.1365, 0.4319,
0.4953


 28.1365, 0.4319,
0.4953


 28.1380, 0.4319,
0.4953

 28.5187, 0.4276,
0.4917

 28.9312, 0.4213,
0.4849

 29.3880, 0.4124,
0.4738

 29.8944, 0.4011,
0.4588

 30.4549, 0.3880,
0.4405

■ 31.0734, 0.3734,
0.4197

■ 31.7535, 0.3581,
0.3973

■ 32.4983, 0.3426,
0.3743

■ 33.3111, 0.3274,
0.3513

Harmonies

Analogous

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



28.1365, 0.4999, 0.4259



28.1365, 0.4319, 0.4953



28.1365, 0.3396, 0.5277

Triad

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



28.1365, 0.4319, 0.4953



28.1365, 0.1438, 0.2504



28.1365, 0.3598, 0.2287

Complementary

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



28.1365, 0.4319, 0.4953



2.7083, 0.1515, 0.0652

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.



28.1365, 0.2560, 0.1907



28.1365, 0.4319, 0.4953



28.1365, 0.1478, 0.1951

Square

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



28.1365, 0.4319, 0.4953



28.1365, 0.1751, 0.3530



28.1365, 0.1841, 0.1781



28.1365, 0.4639, 0.2861

Rectangle

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



28.1365, 0.4319, 0.4953



28.1365, 0.2754, 0.5020



28.1365, 0.1841, 0.1781



28.1365, 0.3228, 0.2135

Sweetspot

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



28.1380, 0.4319, 0.4953



57.5835, 0.3590, 0.3986



7.2992, 0.6294, 0.3241



12.8690, 0.3652, 0.4076



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.1380, 0.4319, 0.4953



50.9726, 0.4321, 0.4951



26.7400, 0.3494, 0.5608



7.6412, 0.3262, 0.3496



22.5572, 0.4318, 0.4954



0.4245, 0.4263, 0.4997

Inverse Universe

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



2.7083, 0.1515, 0.0652



4.8075, 0.1511, 0.0639



3.6214, 0.1884, 0.0811



6.5058, 0.2987, 0.3075



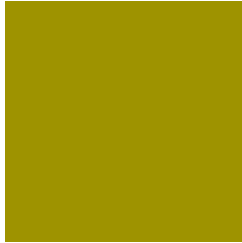
2.1930, 0.1516, 0.0658



0.0585, 0.1592, 0.0932

Previews

White Background



This preview shows how the Yxy color 28.1365, 0.4319, 0.4953 looks on a white background.

Color Contrast Check

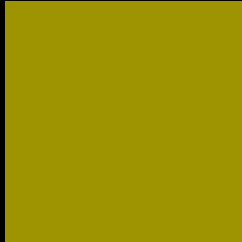
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1365, 0.4319, 0.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

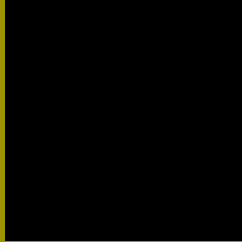
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1365, 0.4319, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 28.1365, 0.4319, 0.4953.

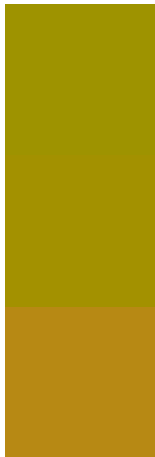


This preview shows how white text looks on a background with the Yxy color 28.1365, 0.4319, 0.4953.

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

28.1365, 0.4319, 0.4953

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

28.0091, 0.4676, 0.4579



Tritanopia

28.2134, 0.3356, 0.3141

Trichromacy



Original Color

28.1365, 0.4319, 0.4953

Protanomaly

28.1348, 0.4365, 0.4916

Deuteranomaly

28.0775, 0.4546, 0.4719

Tritanomaly

27.7504, 0.3884, 0.4014

Monochromacy



Original Color

28.1365, 0.4319, 0.4953

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9608, 0.3737, 0.4202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1365, 0.4319, 0.4953 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(158, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 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(158, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.1365, 0.4319, 0.4953 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(158, 147, 0) }
```

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

```
.border{ border-color:rgb(158, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1365, 0.4319, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 0) }
```

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

```
.background{ background-color: rgb(158,  
147, 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](#).

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