

Converting Colors

$Y_{xy}(28.1658, 0.3568, 0.5549)$

Have a look what the booklet for
Yxy(28.1658, 0.3568, 0.5549)
contains.

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Color

Yxy(28.3145, 0.3570, 0.5547)

Conversions

Conversions Part 1

Format	Color
Hex	66A100
RGB	102, 161, 0
RGB Percent	40%, 63%, 0%
CMY	0.6001, 0.3686, 0.9996
CMYK	0.37, 0.00, 1.00, 0.37
HSL	82°, 100%, 32%
HSV	82°, 100%, 63%
XYZ	18.2230, 28.3145, 4.5072
YIQ	125.0050, 16.5170, -62.5790

Conversions

Conversions Part 2

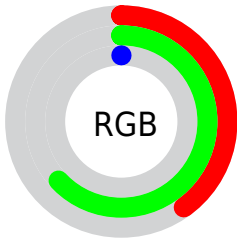
Format	Color
RYB	0, 161, 59
Decimal	6725888
CIELab	60.17, -40.01, 62.15
CIElCh	60, 73.913, 122.777
Yxy	28.3145, 0.3570, 0.5547
Android (android.graphics.Color)	4284915968 (0xFF66A100)
YUV	125.0050, -61.6275, -20.1754
Hunter-Lab	53.2114, -31.9901, 32.2258

Details

The Yxy color **28.3145, 0.3570, 0.5547** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.5093, 0.1804, 0.0768**, and the grayscale version is **20.7203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8619, 0.3562, 0.5082**, and **11.4952, 0.3289, 0.5771** is the 20% darker color. If you saturate the color by 10%, you get **28.3134, 0.3570, 0.5548**, and if you desaturate by 10%, it is **28.7109, 0.3603, 0.5442**.

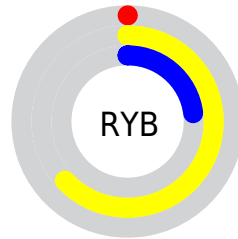
Distribution



Red (40%)

Green (63%)

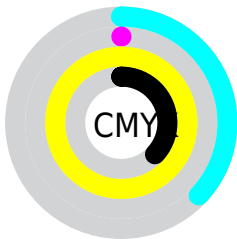
Blue (0%)



Red (0%)

Yellow (63%)

Blue (23%)

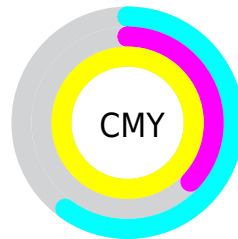


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (60%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3145, 0.3570, 0.5547 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 28.3145, 0.3570, 0.5547 by changing the saturation by 10% instead.


 28.3145, 0.3570,
0.5547


 28.3145, 0.3570,
0.5547


 293.9667, 0.3444,
0.4305


 18.5629, 0.3539,
0.5859


 56.9862, 0.3563,
0.5084

 11.3548, 0.3462,
0.6263


 76.6750, 0.3548,
0.4911


 6.3060, 0.3265,
0.6735


 100.4450, 0.3529,
0.4767

 3.0321, 0.2808,
0.7192

 128.6806, 0.3511,
0.4646

 1.1485, 0.0753,
0.9247

 161.7662, 0.3493,
0.4542

 0.0190, 0.0000,
1.0000


 200.0861, 0.3475,


 0.0000, 0.0000,


0.4452


0.0000


 244.0248, 0.3459,
0.4374


 28.3145, 0.3570,
0.5547


 28.3145, 0.3570,
0.5547


 28.3134, 0.3570,
0.5548

 28.7109, 0.3603,
0.5442

 29.1614, 0.3619,
0.5297

 29.6802, 0.3611,
0.5105

 30.2735, 0.3580,
0.4875

 30.9463, 0.3529,
0.4616

■ 31.7032, 0.3462,
0.4343

■ 32.5484, 0.3385,
0.4065

■ 33.4857, 0.3300,
0.3793

■ 34.5186, 0.3213,
0.3532

Harmonies

Analogous

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



28.3145, 0.4573, 0.4972



28.3145, 0.3570, 0.5547



28.3145, 0.2517, 0.5176

Triad

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



28.3145, 0.3570, 0.5547



28.3145, 0.1279, 0.1864



28.3145, 0.4659, 0.2668

Complementary

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



28.3145, 0.3570, 0.5547



3.5093, 0.1804, 0.0768

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.



28.3145, 0.3418, 0.2080



28.3145, 0.3570, 0.5547



28.3145, 0.1601, 0.1631

Square

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



28.3145, 0.3570, 0.5547



28.3145, 0.1291, 0.2548



28.3145, 0.2305, 0.1717



28.3145, 0.5393, 0.3373

Rectangle

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



28.3145, 0.3570, 0.5547



28.3145, 0.1920, 0.4312



28.3145, 0.2305, 0.1717



28.3145, 0.4268, 0.2453

Sweetspot

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



28.3157, 0.3570, 0.5547



58.1870, 0.3390, 0.4082



10.7160, 0.5769, 0.3800



12.6270, 0.3421, 0.4192



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.



28.3157, 0.3570, 0.5547



50.5873, 0.3559, 0.5556



25.6578, 0.3040, 0.5968



8.1068, 0.3208, 0.3516



22.6347, 0.3575, 0.5544



0.5010, 0.3807, 0.5359

Inverse Universe

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



3.5093, 0.1804, 0.0768



6.1740, 0.1785, 0.0757



8.1122, 0.2878, 0.1360



6.9806, 0.3041, 0.3062



2.8208, 0.1811, 0.0771



0.0854, 0.2240, 0.1008

Previews

White Background



This preview shows how the Yxy color 28.3145, 0.3570, 0.5547 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 28.3145, 0.3570, 0.5547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

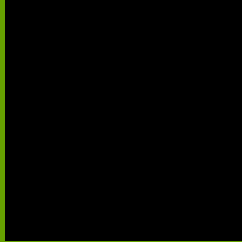
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3145, 0.3570, 0.5547

Background



This preview shows how black text looks on a background with the Yxy color 28.3145, 0.3570, 0.5547.



This preview shows how white text looks on a background with the Yxy color 28.3145, 0.3570, 0.5547.

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

28.3145, 0.3570, 0.5547

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9353, 0.4624, 0.4534



Tritanopia

28.3433, 0.2730, 0.3090

Trichromacy



Original Color

28.3145, 0.3570, 0.5547

Protanomaly

27.7959, 0.4080, 0.5143

Deuteranomaly

27.3806, 0.4232, 0.4922

Tritanomaly

27.6012, 0.3179, 0.4215

Monochromacy



Original Color

28.3145, 0.3570, 0.5547

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.5381, 0.3477, 0.4384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3145, 0.3570, 0.5547 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(102, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 161, 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(102, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3145, 0.3570, 0.5547 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(102, 161, 0) }
```

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

```
.border{ border-color:rgb(102, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3145, 0.3570, 0.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 161, 0) }
```

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

```
.background{ background-color: rgb(102,  
161, 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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