

Converting Colors

$Y_{xy}(29.0617, 0.3640, 0.5118)$

Have a look what the booklet for
Yxy(29.0617, 0.3640, 0.5118)
contains.

Yxy(28.9788, 0.3644, 0.5121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9788, 0.3644, 0.5121)

Conversions

Conversions Part 1

Format	Color
Hex	789F2D
RGB	120, 159, 45
RGB Percent	47%, 62%, 18%
CMY	0.5293, 0.3765, 0.8235
CMYK	0.25, 0.00, 0.72, 0.38
HSL	81°, 56%, 40%
HSV	81°, 72%, 62%
XYZ	20.6207, 28.9788, 6.9886
YIQ	134.3430, 13.3500, -43.7220

Conversions

Conversions Part 2

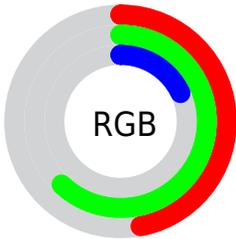
Format	Color
RYB	45, 159, 84
Decimal	7905069
CIELab	60.76, -30.43, 52.27
CIELCh	61, 60.487, 120.209
Yxy	28.9788, 0.3644, 0.5121
Android (android.graphics.Color)	4286095149 (0xFF789F2D)
YUV	134.3430, -44.0461, -12.5788
Hunter-Lab	53.8320, -25.8302, 29.9852

Details

The Yxy color **28.9788, 0.3644, 0.5121** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.2628, 0.2146, 0.1239**, and the grayscale version is **24.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0889, 0.3587, 0.4743**, and **11.7087, 0.3582, 0.5538** is the 20% darker color. If you saturate the color by 10%, you get **28.5021, 0.3652, 0.5300**, and if you desaturate by 10%, it is **29.5263, 0.3613, 0.4901**.

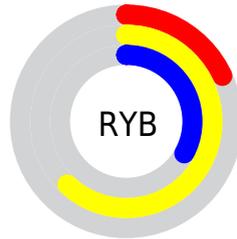
Distribution



Red (47%)

Green (62%)

Blue (18%)



Red (18%)

Yellow (62%)

Blue (33%)

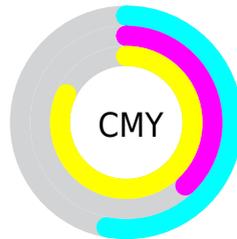


Cyan (25%)

Magenta (0%)

Yellow (72%)

Black (38%)



Cyan (53%)

Magenta (38%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9788, 0.3644, 0.5121 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 28.9788, 0.3644, 0.5121 by changing the saturation by 10% instead.

 28.9788, 0.3644,
0.5121

 28.9788, 0.3644,
0.5121

297.1149, 0.3434,
0.4113

 19.0648, 0.3660,
0.5386

 58.0434, 0.3589,
0.4740

 11.7171, 0.3650,
0.5720

 77.9628, 0.3561,
0.4600

 6.5513, 0.3659,
0.6290

 101.9861, 0.3535,
0.4484

 3.1831, 0.3339,
0.6661

 130.4976, 0.3510,
0.4386

 1.2281, 0.2408,
0.7592

 163.8819, 0.3488,
0.4303

 0.0845, 0.0000,
1.0000

 202.5233, 0.3468,

 0.0000, 0.0000,

0.4231

0.0000

246.8062, 0.3450,
0.4168

■ 28.9788, 0.3644,
0.5121

■ 28.9788, 0.3644,
0.5121

■ 28.5021, 0.3652,
0.5300

■ 29.5263, 0.3613,
0.4901

■ 28.0864, 0.3636,
0.5432

■ 30.1456, 0.3561,
0.4652

■ 27.7775, 0.3610,
0.5515

■ 30.8426, 0.3492,
0.4384

■ 31.6212, 0.3412,
0.4109

■ 32.4851, 0.3324,
0.3838

■ 33.4377, 0.3233,
0.3577

■ 34.4822, 0.3142,
0.3330

■ 35.6217, 0.3054,
0.3102

■ 36.8590, 0.2969,
0.2892

Harmonies

Analogous

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



28.9788, 0.4468, 0.4711



28.9788, 0.3644, 0.5121



28.9788, 0.2736, 0.4834

Triad

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



28.9788, 0.3644, 0.5121



28.9788, 0.1526, 0.2137



28.9788, 0.4302, 0.2735

Complementary

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



28.9788, 0.3644, 0.5121



6.2628, 0.2146, 0.1239

Split Complementary

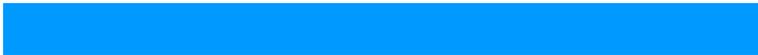
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.9788, 0.3293, 0.2227



28.9788, 0.3644, 0.5121



28.9788, 0.1790, 0.1880

Square

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



28.9788, 0.3644, 0.5121



28.9788, 0.1579, 0.2783



28.9788, 0.2383, 0.1926



28.9788, 0.4964, 0.3364

Rectangle

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



28.9788, 0.3644, 0.5121



28.9788, 0.2203, 0.4205



28.9788, 0.2383, 0.1926



28.9788, 0.3980, 0.2548

Sweetspot

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



28.9801, 0.3644, 0.5121



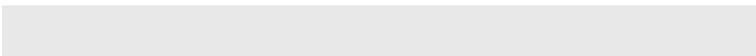
58.0637, 0.3331, 0.3857



13.7462, 0.4989, 0.3839



12.9995, 0.3353, 0.3925



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.



28.9801, 0.3644, 0.5121



50.5920, 0.3645, 0.5385



26.0747, 0.3136, 0.5457



7.6068, 0.3211, 0.3514



21.9641, 0.3615, 0.5511



0.4152, 0.3858, 0.5319

Inverse Universe

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



6.2628, 0.2146, 0.1239



7.5130, 0.1914, 0.0908



9.9549, 0.2917, 0.1612



6.5400, 0.3038, 0.3063



2.6254, 0.1776, 0.0752



0.0691, 0.2225, 0.0999

Previews

White Background



This preview shows how the Yxy color 28.9788, 0.3644, 0.5121 looks on a white background.

Color Contrast Check

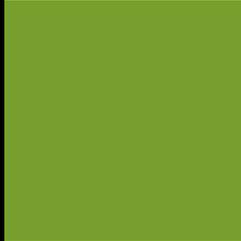
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9788, 0.3644, 0.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

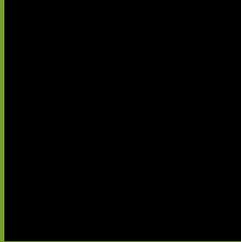
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9788, 0.3644, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 28.9788, 0.3644, 0.5121.



This preview shows how white text looks on a background with the Yxy color 28.9788, 0.3644, 0.5121.

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

28.9788, 0.3644, 0.5121

Protanopia

28.6174, 0.4266, 0.4694

Deuteranopia

28.6674, 0.4474, 0.4397



Tritanopia

28.7044, 0.2870, 0.3096

Trichromacy



Original Color

28.9788, 0.3644, 0.5121

Protanomaly

28.6035, 0.4028, 0.4858

Deuteranomaly

28.1590, 0.4162, 0.4659

Tritanomaly

28.3537, 0.3200, 0.3877

Monochromacy



Original Color

28.9788, 0.3644, 0.5121

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2714, 0.3384, 0.4019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9788, 0.3644, 0.5121 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(120, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(120, 159, 45)  
}
```

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(120, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 159, 45) }
```

Border

The CSS property to change the border of an element to Yxy 28.9788, 0.3644, 0.5121 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(120, 159, 45) }
```

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

```
.border{ border-color:rgb(120, 159, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 159, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(120, 159,  
45) }
```

Background

The CSS property to change the background color of an element to Yxy 28.9788, 0.3644, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 159, 45) }
```

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

```
.background{ background-color: rgb(120,  
159, 45) }
```

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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