

Converting Colors

$Y_{xy}(29.4987, 0.3622, 0.5506)$

Have a look what the booklet for
Yxy(29.4987, 0.3622, 0.5506)
contains.

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Color

Yxy(29.4456, 0.3626, 0.5503)

Conversions

Conversions Part 1

Format	Color
Hex	6DA300
RGB	109, 163, 0
RGB Percent	43%, 64%, 0%
CMY	0.5726, 0.3608, 1.0000
CMYK	0.33, 0.00, 1.00, 0.36
HSL	80°, 100%, 32%
HSV	80°, 100%, 64%
XYZ	19.4021, 29.4456, 4.6606
YIQ	128.2720, 20.1390, -62.1410

Conversions

Conversions Part 2

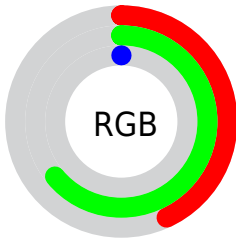
Format	Color
R_{YB}	0, 163, 54
Decimal	7185152
CIE Lab	61.17, -38.24, 63.10
CIE LCh	61, 73.779, 121.219
Yxy	29.4456, 0.3626, 0.5503
Android (android.graphics.Color)	4285375232 (0xFF6DA300)
YUV	128.2720, -63.2381, -16.9015
Hunter-Lab	54.2638, -31.1387, 32.8924

Details

The Yxy color **29.4456, 0.3626, 0.5503** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.4296, 0.1751, 0.0738**, and the grayscale version is **21.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6232, 0.3608, 0.5061**, and **12.1258, 0.3367, 0.5708** is the 20% darker color. If you saturate the color by 10%, you get **29.4469, 0.3626, 0.5503**, and if you desaturate by 10%, it is **29.8384, 0.3655, 0.5404**.

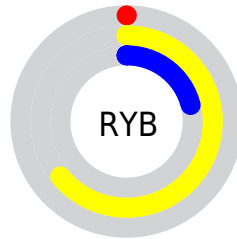
Distribution



Red (43%)

Green (64%)

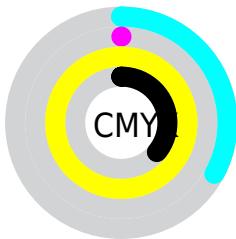
Blue (0%)



Red (0%)

Yellow (64%)

Blue (21%)

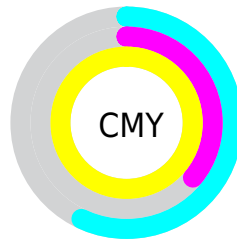


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (57%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4456, 0.3626, 0.5503 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 29.4456, 0.3626, 0.5503 by changing the saturation by 10% instead.


 29.4456, 0.3626,
0.5503


 29.4456, 0.3626,
0.5503


299.3117, 0.3470,
0.4299

 19.4182, 0.3604,
0.5800


 58.7843, 0.3607,
0.5058

 11.9728, 0.3539,
0.6176


 78.8644, 0.3588,
0.4891


 6.7252, 0.3372,
0.6628


 103.0641, 0.3566,
0.4751

 3.2908, 0.2955,
0.7045

 131.7679, 0.3545,
0.4633

 1.2854, 0.1585,
0.8415

 165.3602, 0.3524,
0.4531

 0.1298, 0.0000,
1.0000


 204.2253, 0.3505,


 0.0000, 0.0000,


0.4443


0.0000

 248.7477, 0.3487,
0.4367


 29.4456, 0.3626,
0.5503


 29.4456, 0.3626,
0.5503


 29.4469, 0.3626,
0.5503

 29.8384, 0.3655,
0.5404

 30.2823, 0.3666,
0.5266

 30.7920, 0.3653,
0.5081

 31.3736, 0.3616,
0.4858

 32.0323, 0.3559,
0.4606

■ 32.7726, 0.3487,
0.4337

■ 33.5987, 0.3403,
0.4063

■ 34.5144, 0.3313,
0.3793

■ 35.5234, 0.3220,
0.3534

Harmonies

Analogous

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



29.4456, 0.4608, 0.4918



29.4456, 0.3626, 0.5503



29.4456, 0.2580, 0.5193

Triad

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



29.4456, 0.3626, 0.5503



29.4456, 0.1290, 0.1905



29.4456, 0.4581, 0.2643

Complementary

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



29.4456, 0.3626, 0.5503



3.4296, 0.1751, 0.0738

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.



29.4456, 0.3350, 0.2069



29.4456, 0.3626, 0.5503



29.4456, 0.1593, 0.1652

Square

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



29.4456, 0.3626, 0.5503



29.4456, 0.1321, 0.2612



29.4456, 0.2269, 0.1722



29.4456, 0.5345, 0.3340

Rectangle

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



29.4456, 0.3626, 0.5503



29.4456, 0.1978, 0.4372



29.4456, 0.2269, 0.1722



29.4456, 0.4189, 0.2432

Sweetspot

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



29.4469, 0.3626, 0.5503



60.0805, 0.3408, 0.4078



10.2094, 0.5904, 0.3694



13.3570, 0.3442, 0.4188



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.4469, 0.3626, 0.5503



52.6190, 0.3616, 0.5511



26.4712, 0.3064, 0.5950



8.1191, 0.3213, 0.3515



22.9090, 0.3631, 0.5499



0.5055, 0.3844, 0.5330

Inverse Universe

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



3.4296, 0.1751, 0.0738



6.0434, 0.1734, 0.0729



7.6411, 0.2753, 0.1290



6.9687, 0.3036, 0.3061



2.6878, 0.1760, 0.0743



0.0814, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 29.4456, 0.3626, 0.5503 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 29.4456, 0.3626, 0.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

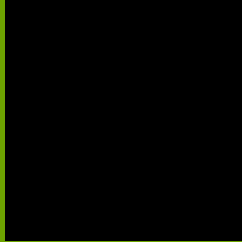
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4456, 0.3626, 0.5503

Background



This preview shows how black text looks on a background with the Yxy color 29.4456, 0.3626, 0.5503.



This preview shows how white text looks on a background with the Yxy color 29.4456, 0.3626, 0.5503.

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

29.4456, 0.3626, 0.5503

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.1694, 0.4618, 0.4546



Tritanopia

29.4968, 0.2769, 0.3095

Trichromacy



Original Color

29.4456, 0.3626, 0.5503

Protanomaly

28.8022, 0.4104, 0.5124

Deuteranomaly

28.3984, 0.4255, 0.4908

Tritanomaly

28.6983, 0.3226, 0.4210

Monochromacy



Original Color

29.4456, 0.3626, 0.5503

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.7088, 0.3501, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4456, 0.3626, 0.5503 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(109, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 163, 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(109, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.4456, 0.3626, 0.5503 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(109, 163, 0) }
```

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

```
.border{ border-color:rgb(109, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4456, 0.3626, 0.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 163, 0) }
```

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

```
.background{ background-color: rgb(109,  
163, 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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