

Converting Colors

$Y_{xy}(29.9078, 0.3522, 0.5461)$

Have a look what the booklet for
Yxy(29.9078, 0.3522, 0.5461)
contains.

Yxy(29.9152, 0.3525, 0.5459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9152, 0.3525, 0.5459)

Conversions

Conversions Part 1

Format	Color
Hex	68A517
RGB	104, 165, 23
RGB Percent	41%, 65%, 9%
CMY	0.5922, 0.3529, 0.9097
CMYK	0.37, 0.00, 0.86, 0.35
HSL	86°, 76%, 37%
HSV	86°, 86%, 65%
XYZ	19.3169, 29.9152, 5.5677
YIQ	130.5730, 9.2260, -57.0940

Conversions

Conversions Part 2

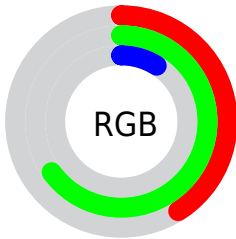
Format	Color
RYB	23, 165, 84
Decimal	6858007
CIELab	61.58, -40.43, 59.53
CIELCh	62, 71.959, 124.184
Yxy	29.9152, 0.3525, 0.5459
Android (android.graphics.Color)	4285048087 (0xFF68A517)
YUV	130.5730, -53.0335, -23.3045
Hunter-Lab	54.6948, -32.6738, 32.2509

Details

The Yxy color **29.9152, 0.3525, 0.5459** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2181, 0.2069, 0.1003**, and the grayscale version is **22.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2845, 0.3519, 0.5009**, and **12.4146, 0.3289, 0.5770** is the 20% darker color. If you saturate the color by 10%, you get **29.4622, 0.3488, 0.5583**, and if you desaturate by 10%, it is **30.4469, 0.3540, 0.5285**.

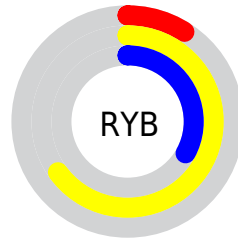
Distribution



Red (41%)

Green (65%)

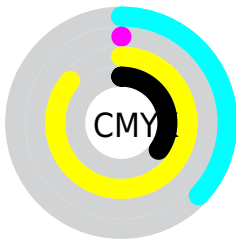
Blue (9%)



Red (9%)

Yellow (65%)

Blue (33%)

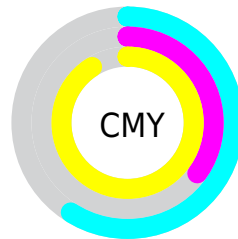


Cyan (37%)

Magenta (0%)

Yellow (86%)

Black (35%)



Cyan (59%)


Magenta (35%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9152, 0.3525, 0.5459 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 29.9152, 0.3525, 0.5459 by changing the saturation by 10% instead.


 29.9152, 0.3525,
0.5459


 29.9152, 0.3525,
0.5459

301.5090, 0.3411,
0.4265


 19.7742, 0.3500,
0.5765


 59.5280, 0.3517,
0.5011

 12.2310, 0.3427,
0.6146


 79.7687, 0.3503,
0.4845

 6.9012, 0.3297,
0.6703


 104.1447, 0.3486,
0.4707

 3.4004, 0.2865,
0.7135

 133.0405, 0.3470,
0.4591

 1.3442, 0.1470,
0.8530

 166.8404, 0.3454,
0.4491

 0.1750, 0.0000,
1.0000

 205.9289, 0.3438,

 0.0000, 0.0000,

0.4405

0.0000

250.6903, 0.3424,
0.4331

■ 29.9152, 0.3525,
0.5459

■ 29.9152, 0.3525,
0.5459

■ 29.4622, 0.3488,
0.5583

■ 30.4469, 0.3540,
0.5285

■ 29.2967, 0.3472,
0.5625

■ 31.0616, 0.3533,
0.5065

■ 31.7669, 0.3504,
0.4810

■ 32.5683, 0.3457,
0.4534

■ 33.4707, 0.3396,
0.4248

■ 34.4788, 0.3326,
0.3965

■ 35.5967, 0.3251,
0.3693

■ 36.8284, 0.3174,
0.3436

■ 38.1777, 0.3097,
0.3199

Harmonies

Analogous

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



29.9152, 0.4499, 0.4963



29.9152, 0.3525, 0.5459



29.9152, 0.2507, 0.5033

Triad

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



29.9152, 0.3525, 0.5459



29.9152, 0.1343, 0.1898



29.9152, 0.4642, 0.2726

Complementary

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



29.9152, 0.3525, 0.5459



5.2181, 0.2069, 0.1003

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.



29.9152, 0.3466, 0.2144



29.9152, 0.3525, 0.5459



29.9152, 0.1675, 0.1682

Square

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



29.9152, 0.3525, 0.5459



29.9152, 0.1342, 0.2543



29.9152, 0.2380, 0.1778



29.9152, 0.5315, 0.3420

Rectangle

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



29.9152, 0.3525, 0.5459



29.9152, 0.1937, 0.4199



29.9152, 0.2380, 0.1778



29.9152, 0.4276, 0.2514

Sweetspot

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



29.9165, 0.3525, 0.5459



61.6614, 0.3329, 0.3977



14.1246, 0.5287, 0.3992



13.3475, 0.3353, 0.4069



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.



29.9165, 0.3525, 0.5459



52.3413, 0.3460, 0.5635



27.3297, 0.3045, 0.5819



8.0849, 0.3198, 0.3516



22.1911, 0.3478, 0.5620



0.4934, 0.3742, 0.5411

Inverse Universe

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



5.2181, 0.2069, 0.1003



7.1443, 0.1885, 0.0812



10.1201, 0.3031, 0.1513



7.0018, 0.3051, 0.3062



3.0948, 0.1913, 0.0828



0.0927, 0.2346, 0.1066

Previews

White Background



This preview shows how the Yxy color 29.9152, 0.3525, 0.5459 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 29.9152, 0.3525, 0.5459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

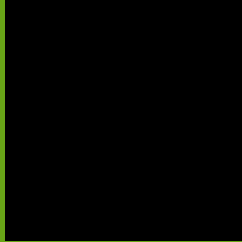
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9152, 0.3525, 0.5459

Background



This preview shows how black text looks on a background with the Yxy color 29.9152, 0.3525, 0.5459.



This preview shows how white text looks on a background with the Yxy color 29.9152, 0.3525, 0.5459.

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

29.9152, 0.3525, 0.5459

Protanopia

29.4390, 0.4372, 0.4832

Deuteranopia

29.3418, 0.4591, 0.4491



Tritanopia

29.6006, 0.2720, 0.3078

Trichromacy



Original Color

29.9152, 0.3525, 0.5459

Protanomaly

29.0910, 0.4044, 0.5074

Deuteranomaly

28.6726, 0.4187, 0.4854

Tritanomaly

28.9737, 0.3101, 0.4053

Monochromacy



Original Color

29.9152, 0.3525, 0.5459

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.4826, 0.3390, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9152, 0.3525, 0.5459 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(104, 165, 23)` looks like.

```
.text, #text, p{  
    color:rgb(104, 165, 23)  
}
```

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(104, 165, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 165, 23) }
```

Border

The CSS property to change the border of an element to Yxy 29.9152, 0.3525, 0.5459 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(104, 165, 23) }
```

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

```
.border{ border-color:rgb(104, 165, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 165, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 165, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 165, 23);  
box-shadow:4px 4px 4px 4px rgb(104, 165,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9152, 0.3525, 0.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 165, 23) }
```

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

```
.background{ background-color: rgb(104,  
165, 23) }
```

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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