

Converting Colors

$Y_{xy}(64.1083, 0.3577, 0.5235)$

Have a look what the booklet for
Yxy(64.1083, 0.3577, 0.5235)
contains.

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Color

Yxy(64.0569, 0.3578, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	A2E53D
RGB	162, 229, 61
RGB Percent	64%, 90%, 24%
CMY	0.3649, 0.1019, 0.7606
CMYK	0.29, 0.00, 0.73, 0.10
HSL	84°, 76%, 57%
HSV	84°, 73%, 90%
XYZ	43.7563, 64.0569, 14.4795
YIQ	189.8150, 13.9960, -66.4520

Conversions

Conversions Part 2

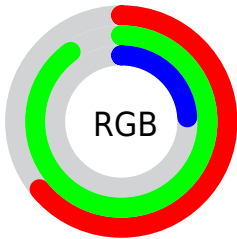
Format	Color
RYB	61, 229, 128
Decimal	10675517
CIELab	84.00, -44.94, 70.32
CIELCh	84, 83.455, 122.582
Yxy	64.0569, 0.3578, 0.5238
Android (android.graphics.Color)	4288865597 (0xFFA2E53D)
YUV	189.8150, -63.5058, -24.3938
Hunter-Lab	80.0356, -42.4743, 45.2986

Details

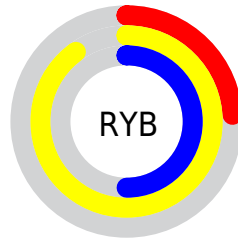
The Yxy color **64.0569, 0.3578, 0.5238** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **13.5986, 0.2174, 0.1195**, and the grayscale version is **51.7465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2241, 0.3666, 0.4693**, and **32.8302, 0.3516, 0.5590** is the 20% darker color. If you saturate the color by 10%, you get **62.9405, 0.3569, 0.5415**, and if you desaturate by 10%, it is **65.3539, 0.3563, 0.5014**.

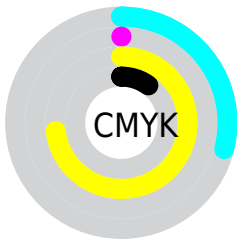
Distribution



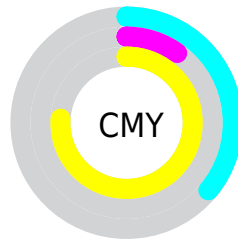
- Red (64%)
- Green (90%)
- Blue (24%)



- Red (24%)
- Yellow (90%)
- Blue (50%)



- Cyan (29%)
- Magenta (0%)
- Yellow (73%)
- Black (10%)




- Cyan (36%)
- Magenta (10%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0569, 0.3578, 0.5238 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 64.0569, 0.3578, 0.5238 by changing the saturation by 10% instead.


 64.0569, 0.3578,
0.5238


 64.0569, 0.3578,
0.5238


439.3951, 0.3444,
0.4292


 46.6968, 0.3580,
0.5450


 110.6929, 0.3553,
0.4910


 32.7960, 0.3565,
0.5703


 140.7375, 0.3536,
0.4781

 21.9702, 0.3519,
0.6006


 175.7791, 0.3519,
0.4671

 13.8350, 0.3427,
0.6394

 216.2020, 0.3503,
0.4575

 8.0060, 0.3203,
0.6797

 262.3907, 0.3487,
0.4491

 4.0988, 0.2775,
0.7225

314.7295, 0.3472,

 1.7290, 0.1785,

0.4417

0.8215

373.6028, 0.3458,
0.4351

0.4423, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0569, 0.3578,
0.5238

64.0569, 0.3578,
0.5238

62.9405, 0.3569,
0.5415

65.3539, 0.3563,
0.5014


61.9803, 0.3536,
0.5540

66.8363, 0.3525,
0.4756


61.4131, 0.3504,
0.5599

68.5188, 0.3470,
0.4476


70.4118, 0.3400,
0.4187

 72.5250, 0.3322,
0.3902

 74.8673, 0.3239,
0.3629

 77.4471, 0.3155,
0.3372

 80.2724, 0.3072,
0.3134

 82.5422, 0.3067,
0.3033

Harmonies

Analogous

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



64.0569, 0.4460, 0.4817



64.0569, 0.3578, 0.5238



64.0569, 0.2632, 0.4876

Triad

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



64.0569, 0.3578, 0.5238



64.0569, 0.1466, 0.2041



64.0569, 0.4445, 0.2751

Complementary

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



64.0569, 0.3578, 0.5238



13.5986, 0.2174, 0.1195

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.



64.0569, 0.3383, 0.2212



64.0569, 0.3578, 0.5238



64.0569, 0.1764, 0.1808

Square

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



64.0569, 0.3578, 0.5238



64.0569, 0.1490, 0.2675



64.0569, 0.2406, 0.1880



64.0569, 0.5095, 0.3406

Rectangle

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



64.0569, 0.3578, 0.5238



64.0569, 0.2090, 0.4169



64.0569, 0.2406, 0.1880



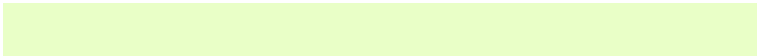
64.0569, 0.4111, 0.2554

Sweetspot

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



64.0597, 0.3578, 0.5238



92.8957, 0.3312, 0.3868



31.7757, 0.5022, 0.3935



19.7179, 0.3334, 0.3945



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



64.0597, 0.3578, 0.5238



79.6602, 0.3554, 0.5487



58.1168, 0.3090, 0.5573



16.5152, 0.3206, 0.3526



35.1805, 0.3514, 0.5592



2.6534, 0.3612, 0.5514

Inverse Universe

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



13.5986, 0.2174, 0.1195



12.1859, 0.1962, 0.0909



22.6172, 0.2992, 0.1603



14.1665, 0.3042, 0.3051



4.5841, 0.1846, 0.0790



0.3916, 0.2010, 0.0881

Previews

White Background



This preview shows how the Yxy color 64.0569, 0.3578, 0.5238 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64.0569, 0.3578, 0.5238 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 ✓ Pass

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

Yxy 64.0569, 0.3578, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 64.0569, 0.3578, 0.5238.

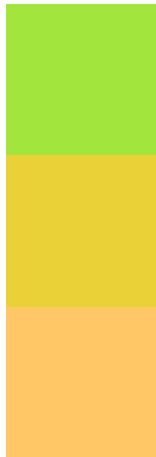


This preview shows how white text looks on a background with the Yxy color 64.0569, 0.3578, 0.5238.

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

64.0569, 0.3578, 0.5238

Protanopia

63.3789, 0.4294, 0.4738

Deuteranopia

63.0662, 0.4314, 0.4247



Tritanopia

63.9299, 0.2804, 0.3091

Trichromacy



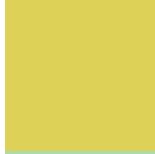
Original Color

64.0569, 0.3578, 0.5238



Protanomaly

62.8271, 0.4023, 0.4924



Deuteranomaly

62.1535, 0.4047, 0.4608



Tritanomaly

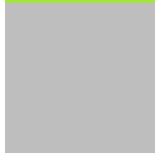
62.6416, 0.3140, 0.3920

Monochromacy



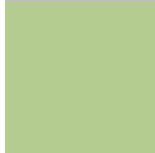
Original Color

64.0569, 0.3578, 0.5238



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.8722, 0.3375, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0569, 0.3578, 0.5238 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(162, 229, 61)` looks like.

```
.text, #text, p{  
    color:rgb(162, 229, 61)  
}
```

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(162, 229, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 229, 61) }
```

Border

The CSS property to change the border of an element to Yxy 64.0569, 0.3578, 0.5238 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(162, 229, 61) }
```

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

```
.border{ border-color:rgb(162, 229, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 229, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 229, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 229, 61);  
box-shadow:4px 4px 4px 4px rgb(162, 229,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0569, 0.3578, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 229, 61) }
```

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

```
.background{ background-color: rgb(162,  
229, 61) }
```

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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