

Converting Colors

$Y_{xy}(56.5792, 0.3453, 0.5526)$

Have a look what the booklet for
Yxy(56.5792, 0.3453, 0.5526)
contains.

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Color

Yxy(56.5630, 0.3453, 0.5529)

Conversions

Conversions Part 1

Format	Color
Hex	82DD20
RGB	130, 221, 32
RGB Percent	51%, 87%, 13%
CMY	0.4901, 0.1333, 0.8749
CMYK	0.41, 0.00, 0.86, 0.13
HSL	89°, 75%, 50%
HSV	89°, 86%, 87%
XYZ	35.3250, 56.5630, 10.4144
YIQ	172.2450, 6.4330, -78.0710

Conversions

Conversions Part 2

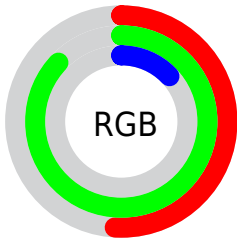
Format	Color
RYB	32, 221, 123
Decimal	8576288
CIELab	79.93, -54.02, 73.94
CIElCh	80, 91.567, 126.151
Yxy	56.5630, 0.3453, 0.5529
Android (android.graphics.Color)	4286766368 (0xFF82DD20)
YUV	172.2450, -69.1408, -37.0489
Hunter-Lab	75.2084, -47.7741, 44.4358

Details

The Yxy color **56.5630, 0.3453, 0.5529** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.4497, 0.2141, 0.1030**, and the grayscale version is **41.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2207, 0.3537, 0.4993**, and **28.1755, 0.3268, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **55.6852, 0.3408, 0.5652**, and if you desaturate by 10%, it is **57.6130, 0.3477, 0.5349**.

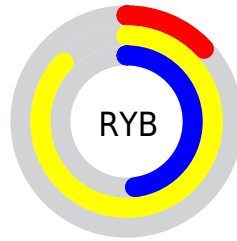
Distribution



Red (51%)

Green (87%)

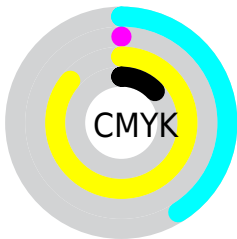
Blue (13%)



Red (13%)

Yellow (87%)

Blue (48%)

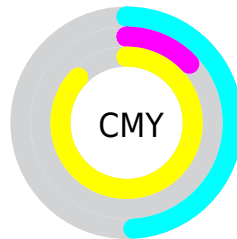


Cyan (41%)

Magenta (0%)

Yellow (86%)

Black (13%)



Cyan (49%)


Magenta (13%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5630, 0.3453, 0.5529 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 56.5630, 0.3453, 0.5529 by changing the saturation by 10% instead.


 56.5630, 0.3453,
0.5529


 56.5630, 0.3453,
0.5529


411.8098, 0.3401,
0.4412

 40.6545, 0.3425,
0.5783


 99.8273, 0.3464,
0.5137


 28.0492, 0.3367,
0.6086


 127.9518, 0.3459,
0.4984


 18.3628, 0.3255,
0.6446


 160.9172, 0.3451,
0.4854

 11.2107, 0.3075,
0.6925

 199.1077, 0.3442,
0.4741

 6.2088, 0.2676,
0.7324

 242.9079, 0.3432,
0.4642

 2.9724, 0.2076,
0.7924

 292.7020, 0.3421,

 1.1174, 0.0000,

0.4556

1.0000

348.8745, 0.3411,
0.4479

■ 0.0000, 0.0000,
0.0000

■ 56.5630, 0.3453,
0.5529

■ 56.5630, 0.3453,
0.5529

■ 55.6852, 0.3408,
0.5652

■ 57.6130, 0.3477,
0.5349

■ 55.3370, 0.3384,
0.5695

■ 58.8441, 0.3479,
0.5120

■ 60.2727, 0.3459,
0.4853

■ 61.9107, 0.3420,
0.4563

■ 63.7690, 0.3367,
0.4265

■ 65.8576, 0.3305,
0.3971

■ 68.1857, 0.3237,
0.3690

■ 70.7620, 0.3166,
0.3427

■ 73.5947, 0.3096,
0.3186

Harmonies

Analogous

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



56.5630, 0.4459, 0.5042



56.5630, 0.3453, 0.5529



56.5630, 0.2421, 0.5022

Triad

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



56.5630, 0.3453, 0.5529



56.5630, 0.1319, 0.1839



56.5630, 0.4753, 0.2753

Complementary

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



56.5630, 0.3453, 0.5529



10.4497, 0.2141, 0.1030

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.



56.5630, 0.3555, 0.2151



56.5630, 0.3453, 0.5529



56.5630, 0.1678, 0.1645

Square

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



56.5630, 0.3453, 0.5529



56.5630, 0.1294, 0.2458



56.5630, 0.2422, 0.1763



56.5630, 0.5388, 0.3461

Rectangle

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



56.5630, 0.3453, 0.5529



56.5630, 0.1856, 0.4130



56.5630, 0.2422, 0.1763



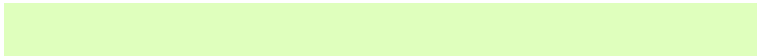
56.5630, 0.4385, 0.2535

Sweetspot

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



56.5655, 0.3453, 0.5529



90.8856, 0.3309, 0.3990



28.9444, 0.5202, 0.4090



19.2310, 0.3331, 0.4091



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.



56.5655, 0.3453, 0.5529



76.4517, 0.3379, 0.5699



52.2334, 0.3019, 0.5857



14.9369, 0.3194, 0.3526



32.2135, 0.3395, 0.5686



2.1382, 0.3517, 0.5589

Inverse Universe

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



10.4497, 0.2141, 0.1030



11.4071, 0.1968, 0.0858



20.6495, 0.3136, 0.1560



12.9230, 0.3056, 0.3054



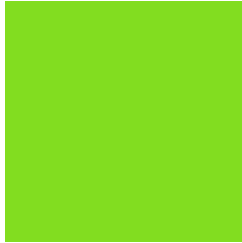
4.8908, 0.1991, 0.0871



0.3680, 0.2172, 0.0970

Previews

White Background



This preview shows how the Yxy color 56.5630, 0.3453, 0.5529 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 56.5630, 0.3453, 0.5529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

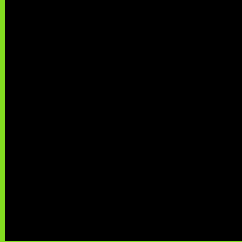
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5630, 0.3453, 0.5529

Background



This preview shows how black text looks on a background with the Yxy color 56.5630, 0.3453, 0.5529.



This preview shows how white text looks on a background with the Yxy color 56.5630, 0.3453, 0.5529.

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

56.5630, 0.3453, 0.5529

Protanopia

55.5323, 0.4379, 0.4838

Deuteranopia

55.5718, 0.4599, 0.4502



Tritanopia

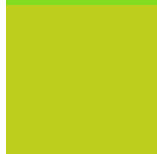
56.3851, 0.2671, 0.3088

Trichromacy



Original Color

56.5630, 0.3453, 0.5529



Protanomaly

55.0453, 0.4015, 0.5108



Deuteranomaly

53.8737, 0.4158, 0.4891



Tritanomaly

54.9994, 0.3041, 0.4089

Monochromacy



Original Color

56.5630, 0.3453, 0.5529



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.3755, 0.3371, 0.4276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5630, 0.3453, 0.5529 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(130, 221, 32)` looks like.

```
.text, #text, p{  
    color:rgb(130, 221, 32)  
}
```

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(130, 221, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 221, 32) }
```

Border

The CSS property to change the border of an element to Yxy 56.5630, 0.3453, 0.5529 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(130, 221, 32) }
```

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

```
.border{ border-color:rgb(130, 221, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 221, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 221, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 221, 32);  
box-shadow:4px 4px 4px 4px rgb(130, 221,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5630, 0.3453, 0.5529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 221, 32) }
```

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

```
.background{ background-color: rgb(130,  
221, 32) }
```

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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