

Converting Colors

$Y_{xy}(21.3263, 0.3643, 0.6107)$

Have a look what the booklet for
Yxy(21.3263, 0.3643, 0.6107)
contains.

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Color

Yxy(21.6520, 0.3458, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	509000
RGB	80, 144, 0
RGB Percent	31%, 56%, 0%
CMY	0.6862, 0.4353, 1.0000
CMYK	0.44, 0.00, 1.00, 0.44
HSL	87°, 100%, 28%
HSV	87°, 100%, 56%
XYZ	13.2824, 21.6520, 3.4762
YIQ	108.4480, 8.0800, -58.3520

Conversions

Conversions Part 2

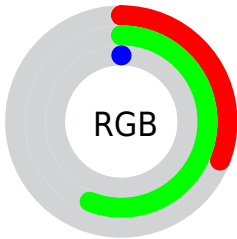
Format	Color
RYB	0, 144, 64
Decimal	5279744
CIELab	53.66, -40.77, 56.65
CIELCh	54, 69.797, 125.744
Yxy	21.6520, 0.3458, 0.5637
Android (android.graphics.Color)	4283469824 (0xFF509000)
YUV	108.4480, -53.4649, -24.9489
Hunter-Lab	46.5317, -30.4781, 28.1429

Details

The Yxy color **21.6520, 0.3458, 0.5637** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1030, 0.1939, 0.0842**, and the grayscale version is **15.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9564, 0.3475, 0.5113**, and **7.9774, 0.3114, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **21.6531, 0.3458, 0.5637**, and if you desaturate by 10%, it is **21.9779, 0.3496, 0.5516**.

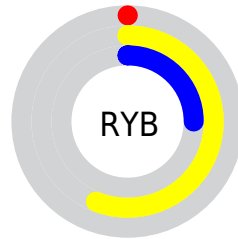
Distribution



Red (31%)

Green (56%)

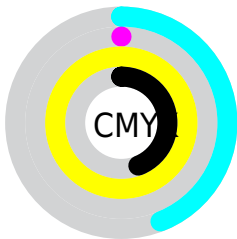
Blue (0%)



Red (0%)

Yellow (56%)

Blue (25%)

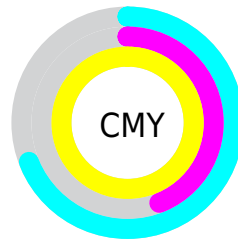


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (69%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6520, 0.3458, 0.5637 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 21.6520, 0.3458, 0.5637 by changing the saturation by 10% instead.


 21.6520, 0.3458,
0.5637


 21.6520, 0.3458,
0.5637


260.7235, 0.3386,
0.4279


 13.6014, 0.3401,
0.6006


 46.1702, 0.3476,
0.5110

 7.8440, 0.3325,
0.6594


 63.4065, 0.3467,
0.4920


 3.9953, 0.2956,
0.7044

 84.4736, 0.3454,
0.4764

 1.6709, 0.2090,
0.7910

 109.7558, 0.3440,
0.4634


 0.4047, 0.0000,
1.0000


 139.6375, 0.3426,
0.4524

 0.0000, 0.0000,
0.0000


 174.5031, 0.3412,

0.4431


 214.7369, 0.3399,
0.4350

 21.6520, 0.3458,
0.5637


 21.6520, 0.3458,
0.5637


 21.6531, 0.3458,
0.5637

 21.9779, 0.3496,
0.5516

 22.3521, 0.3520,
0.5356

 22.7874, 0.3521,
0.5150

 23.2887, 0.3501,
0.4905

 23.8601, 0.3463,
0.4635

■ 24.5054, 0.3409,
0.4352

■ 25.2279, 0.3345,
0.4069

■ 26.0309, 0.3275,
0.3793

■ 26.9173, 0.3201,
0.3533

Harmonies

Analogous

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



21.6520, 0.4502, 0.5083



21.6520, 0.3458, 0.5637



21.6520, 0.2391, 0.5140

Triad

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



21.6520, 0.3458, 0.5637



21.6520, 0.1255, 0.1785



21.6520, 0.4816, 0.2714

Complementary

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



21.6520, 0.3458, 0.5637



3.1030, 0.1939, 0.0842

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.



21.6520, 0.3553, 0.2100



21.6520, 0.3458, 0.5637



21.6520, 0.1617, 0.1588

Square

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



21.6520, 0.3458, 0.5637



21.6520, 0.1231, 0.2425



21.6520, 0.2375, 0.1706



21.6520, 0.5486, 0.3436

Rectangle

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



21.6520, 0.3458, 0.5637



21.6520, 0.1807, 0.4193



21.6520, 0.2375, 0.1706



21.6520, 0.4428, 0.2492

Sweetspot

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



21.6531, 0.3458, 0.5637



44.4132, 0.3349, 0.4086



9.4183, 0.5569, 0.3960



10.0715, 0.3374, 0.4193



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.6531, 0.3458, 0.5637



38.0908, 0.3445, 0.5647



20.0087, 0.3019, 0.5985



6.1678, 0.3195, 0.3512



18.8698, 0.3462, 0.5634



0.1935, 0.3786, 0.5376

Inverse Universe

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



3.1030, 0.1939, 0.0842



5.3773, 0.1919, 0.0831



7.1150, 0.3046, 0.1452



5.3649, 0.3055, 0.3067



2.7157, 0.1945, 0.0845



0.0387, 0.2442, 0.1119

Previews

White Background



This preview shows how the Yxy color 21.6520, 0.3458, 0.5637 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 21.6520, 0.3458, 0.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

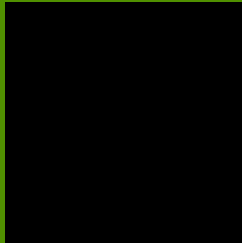
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6520, 0.3458, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 21.6520, 0.3458, 0.5637.



This preview shows how white text looks on a background with the Yxy color 21.6520, 0.3458, 0.5637.

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

21.6520, 0.3458, 0.5637

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.3405, 0.4606, 0.4518



Tritanopia

21.6359, 0.2645, 0.3083

Trichromacy



Original Color

21.6520, 0.3458, 0.5637

Protanomaly

21.1151, 0.4028, 0.5183

Deuteranomaly

20.6497, 0.4184, 0.4945

Tritanomaly

21.1738, 0.3072, 0.4242

Monochromacy



Original Color

21.6520, 0.3458, 0.5637

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.7011, 0.3424, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6520, 0.3458, 0.5637 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(80, 144, 0)` looks like.

```
.text, #text, p{  
  color:rgb(80, 144, 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(80, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6520, 0.3458, 0.5637 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(80, 144, 0) }
```

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

```
.border{ border-color:rgb(80, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 144, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6520, 0.3458, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 0) }
```

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

```
.background{ background-color: rgb(80, 144,  
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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