

Converting Colors

$Y_{xy}(20.6815, 0.3800, 0.5871)$

Have a look what the booklet for
Yxy(20.6815, 0.3800, 0.5871)
contains.

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Color

Yxy(20.7924, 0.3634, 0.5497)

Conversions

Conversions Part 1

Format	Color
Hex	5D8B00
RGB	93, 139, 0
RGB Percent	36%, 55%, 0%
CMY	0.6353, 0.4549, 1.0000
CMYK	0.33, 0.00, 1.00, 0.45
HSL	80°, 100%, 27%
HSV	80°, 100%, 55%
XYZ	13.7456, 20.7924, 3.2870
YIQ	109.4000, 17.2030, -52.9810

Conversions

Conversions Part 2

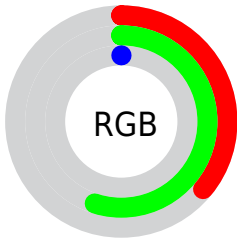
Format	Color
RYB	0, 139, 46
Decimal	6130432
CIELab	52.72, -33.76, 56.21
CIELCh	53, 65.572, 120.992
Yxy	20.7924, 0.3634, 0.5497
Android (android.graphics.Color)	4284320512 (0xFF5D8B00)
YUV	109.4000, -53.9342, -14.3828
Hunter-Lab	45.5987, -25.9893, 27.6451

Details

The Yxy color **20.7924, 0.3634, 0.5497** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.4455, 0.1763, 0.0745**, and the grayscale version is **15.5654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8532, 0.3608, 0.5006**, and **7.4306, 0.3358, 0.5716** is the 20% darker color. If you saturate the color by 10%, you get **20.7934, 0.3634, 0.5497**, and if you desaturate by 10%, it is **21.0723, 0.3658, 0.5389**.

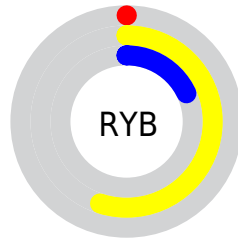
Distribution



Red (36%)

Green (55%)

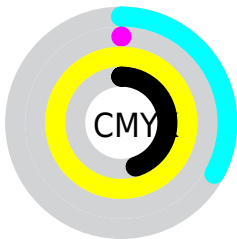
Blue (0%)



Red (0%)

Yellow (55%)

Blue (18%)

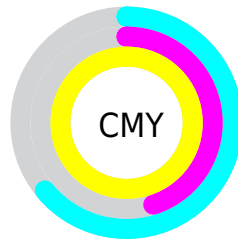


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (64%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7924, 0.3634, 0.5497 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 20.7924, 0.3634, 0.5497 by changing the saturation by 10% instead.


 20.7924, 0.3634,
0.5497


 20.7924, 0.3634,
0.5497


 256.1732, 0.3456,
0.4232


 12.9723, 0.3608,
0.5833


 44.7418, 0.3609,
0.5010


 7.4095, 0.3593,
0.6395


 61.6399, 0.3585,
0.4834

 3.7195, 0.3254,
0.6746

 82.3328, 0.3560,
0.4688

 1.5179, 0.2531,
0.7469

 107.2049, 0.3536,
0.4566

 0.3013, 0.0000,
1.0000


 136.6406, 0.3514,
0.4463

 0.0000, 0.0000,
0.0000


 171.0243, 0.3493,

0.4375


 210.7403, 0.3474,
0.4299

 20.7924, 0.3634,
0.5497


 20.7924, 0.3634,
0.5497


 20.7934, 0.3634,
0.5497

 21.0723, 0.3658,
0.5389

 21.3858, 0.3666,
0.5248

 21.7450, 0.3651,
0.5061

 22.1538, 0.3613,
0.4838

 22.6157, 0.3555,
0.4588

■ 23.1337, 0.3483,
0.4322

■ 23.7108, 0.3399,
0.4052

■ 24.3494, 0.3310,
0.3786

■ 25.0519, 0.3218,
0.3530

Harmonies

Analogous

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



20.7924, 0.4613, 0.4910



20.7924, 0.3634, 0.5497



20.7924, 0.2589, 0.5195

Triad

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



20.7924, 0.3634, 0.5497



20.7924, 0.1292, 0.1910



20.7924, 0.4570, 0.2639

Complementary

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



20.7924, 0.3634, 0.5497



2.4455, 0.1763, 0.0745

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.



20.7924, 0.3341, 0.2067



20.7924, 0.3634, 0.5497



20.7924, 0.1591, 0.1655

Square

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



20.7924, 0.3634, 0.5497



20.7924, 0.1325, 0.2621



20.7924, 0.2264, 0.1723



20.7924, 0.5338, 0.3335

Rectangle

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



20.7924, 0.3634, 0.5497



20.7924, 0.1986, 0.4380



20.7924, 0.2264, 0.1723



20.7924, 0.4178, 0.2429

Sweetspot

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



20.7934, 0.3634, 0.5497



42.3873, 0.3405, 0.4070



7.2922, 0.5881, 0.3713



9.6760, 0.3437, 0.4170



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.7934, 0.3634, 0.5497



37.1412, 0.3622, 0.5506



18.6798, 0.3070, 0.5945



5.7634, 0.3211, 0.3509



18.7749, 0.3636, 0.5495



0.1327, 0.3903, 0.5283

Inverse Universe

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



2.4455, 0.1763, 0.0745



4.2970, 0.1743, 0.0734



5.4097, 0.2759, 0.1294



4.9675, 0.3039, 0.3068



2.2156, 0.1767, 0.0747



0.0221, 0.2238, 0.1007

Previews

White Background



This preview shows how the Yxy color 20.7924, 0.3634, 0.5497 looks on a white background.

Color Contrast Check

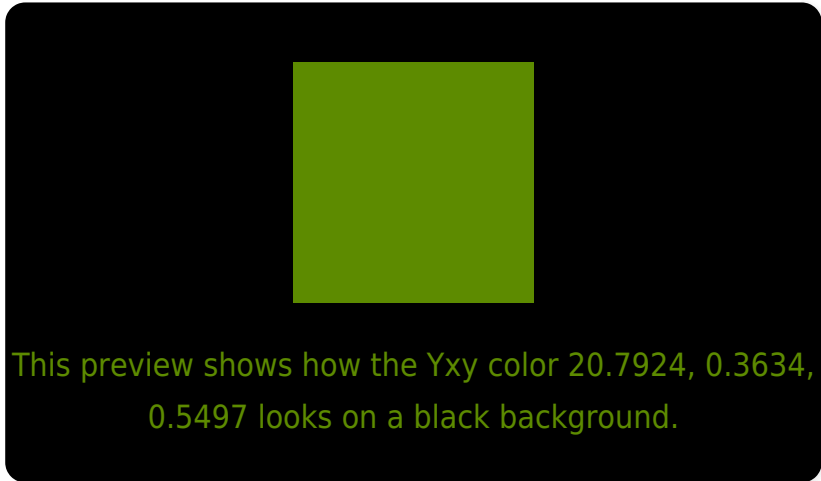
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

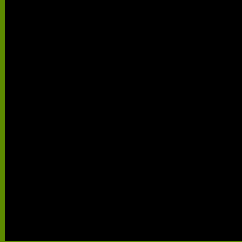
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7924, 0.3634, 0.5497

Background



This preview shows how black text looks on a background with the Yxy color 20.7924, 0.3634, 0.5497.



This preview shows how white text looks on a background with the Yxy color 20.7924, 0.3634, 0.5497.

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

20.7924, 0.3634, 0.5497

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.5419, 0.4609, 0.4531



Tritanopia

20.7198, 0.2775, 0.3084

Trichromacy



Original Color

20.7924, 0.3634, 0.5497

Protanomaly

20.5177, 0.4103, 0.5124

Deuteranomaly

20.0305, 0.4252, 0.4897

Tritanomaly

20.3211, 0.3228, 0.4187

Monochromacy



Original Color

20.7924, 0.3634, 0.5497

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.7462, 0.3496, 0.4374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7924, 0.3634, 0.5497 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(93, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 139, 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(93, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7924, 0.3634, 0.5497 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(93, 139, 0) }
```

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

```
.border{ border-color:rgb(93, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 139, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7924, 0.3634, 0.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 139, 0) }
```

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

```
.background{ background-color: rgb(93, 139,  
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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