

Converting Colors

$Yxy(23.8668, 0.3784, 0.5848)$

Have a look what the booklet for
Yxy(23.8668, 0.3784, 0.5848)
contains.

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Color

Yxy(24.1475, 0.3623, 0.5505)

Conversions

Conversions Part 1

Format	Color
Hex	639500
RGB	99, 149, 0
RGB Percent	39%, 58%, 0%
CMY	0.6118, 0.4157, 0.9997
CMYK	0.34, 0.00, 1.00, 0.42
HSL	80°, 100%, 29%
HSV	80°, 100%, 58%
XYZ	15.8922, 24.1475, 3.8250
YIQ	117.0640, 18.0290, -56.9390

Conversions

Conversions Part 2

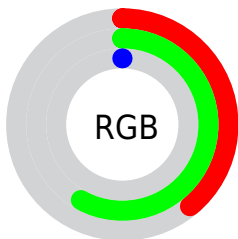
Format	Color
RYB	0, 149, 50
Decimal	6526208
CIELab	56.24, -35.90, 59.04
CIELCh	56, 69.101, 121.304
Yxy	24.1475, 0.3623, 0.5505
Android (android.graphics.Color)	4284716288 (0xFF639500)
YUV	117.0640, -57.7126, -15.8421
Hunter-Lab	49.1401, -28.2673, 29.7830

Details

The Yxy color **24.1475, 0.3623, 0.5505** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8520, 0.1765, 0.0746**, and the grayscale version is **17.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0241, 0.3601, 0.5034**, and **9.2708, 0.3341, 0.5729** is the 20% darker color. If you saturate the color by 10%, you get **24.1471, 0.3623, 0.5505**, and if you desaturate by 10%, it is **24.4734, 0.3650, 0.5400**.

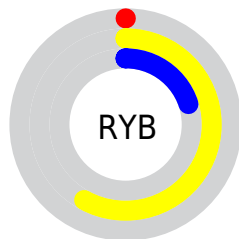
Distribution



Red (39%)

Green (58%)

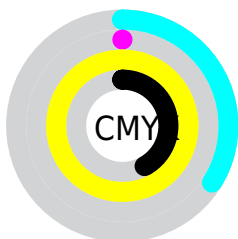
Blue (0%)



Red (0%)

Yellow (58%)

Blue (20%)

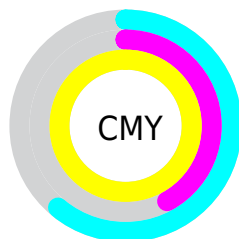


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (61%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1475, 0.3623, 0.5505 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 24.1475, 0.3623, 0.5505 by changing the saturation by 10% instead.

 24.1475, 0.3623,
0.5505


 24.1475, 0.3623,
0.5505


273.5653, 0.3459,
0.4262


 15.4431, 0.3598,
0.5825

 50.2708, 0.3603,
0.5035

 9.1309, 0.3548,
0.6286


 68.4584, 0.3581,
0.4862

 4.8267, 0.3296,
0.6704

 90.5760, 0.3558,
0.4718

 2.1459, 0.2794,
0.7206

 117.0077, 0.3536,
0.4597


 0.6903, 0.0000,
1.0000


 148.1382, 0.3514,
0.4494


 0.0000, 0.0000,
0.0000


 184.3517, 0.3494,

0.4406

 226.0326, 0.3476,
0.4329


 24.1475, 0.3623,
0.5505


 24.1475, 0.3623,
0.5505


 24.1471, 0.3623,
0.5505

 24.4734, 0.3650,
0.5400

 24.8405, 0.3660,
0.5259

 25.2616, 0.3646,
0.5073

 25.7415, 0.3609,
0.4848

 26.2844, 0.3553,
0.4596

■ 26.8938, 0.3481,
0.4329

■ 27.5733, 0.3398,
0.4056

■ 28.3258, 0.3309,
0.3788

■ 29.1542, 0.3218,
0.3531

Harmonies

Analogous

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



24.1475, 0.4606, 0.4921



24.1475, 0.3623, 0.5505



24.1475, 0.2577, 0.5191

Triad

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



24.1475, 0.3623, 0.5505



24.1475, 0.1290, 0.1903



24.1475, 0.4585, 0.2644

Complementary

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



24.1475, 0.3623, 0.5505



2.8520, 0.1765, 0.0746

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.



24.1475, 0.3354, 0.2069



24.1475, 0.3623, 0.5505



24.1475, 0.1593, 0.1651

Square

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



24.1475, 0.3623, 0.5505



24.1475, 0.1319, 0.2608



24.1475, 0.2271, 0.1722



24.1475, 0.5347, 0.3341

Rectangle

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



24.1475, 0.3623, 0.5505



24.1475, 0.1975, 0.4368



24.1475, 0.2271, 0.1722



24.1475, 0.4193, 0.2433

Sweetspot

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



24.1486, 0.3623, 0.5505



49.2927, 0.3404, 0.4074



8.6471, 0.5847, 0.3739



10.8188, 0.3436, 0.4178



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.1486, 0.3623, 0.5505



43.1393, 0.3612, 0.5514



21.7020, 0.3058, 0.5954



6.6481, 0.3211, 0.3512



20.3383, 0.3627, 0.5502



0.2651, 0.3898, 0.5287

Inverse Universe

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



2.8520, 0.1765, 0.0746



5.0128, 0.1746, 0.0735



6.4703, 0.2798, 0.1315



5.7220, 0.3038, 0.3065



2.4129, 0.1771, 0.0749



0.0445, 0.2247, 0.1012

Previews

White Background



This preview shows how the Yxy color 24.1475, 0.3623, 0.5505 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 24.1475, 0.3623, 0.5505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

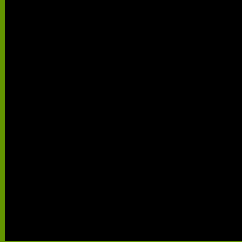
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1475, 0.3623, 0.5505

Background



This preview shows how black text looks on a background with the Yxy color 24.1475, 0.3623, 0.5505.



This preview shows how white text looks on a background with the Yxy color 24.1475, 0.3623, 0.5505.

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

24.1475, 0.3623, 0.5505

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

23.7025, 0.4619, 0.4529



Tritanopia

23.9564, 0.2767, 0.3078

Trichromacy



Original Color

24.1475, 0.3623, 0.5505

Protanomaly

23.7427, 0.4108, 0.5120

Deuteranomaly

23.3009, 0.4261, 0.4898

Tritanomaly

23.4234, 0.3230, 0.4193

Monochromacy



Original Color

24.1475, 0.3623, 0.5505

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.5099, 0.3491, 0.4389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1475, 0.3623, 0.5505 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(99, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 149, 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(99, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1475, 0.3623, 0.5505 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(99, 149, 0) }
```

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

```
.border{ border-color:rgb(99, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(99, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 149, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1475, 0.3623, 0.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 149, 0) }
```

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

```
.background{ background-color: rgb(99, 149,  
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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