

Converting Colors

$Y_{xy}(23.9781, 0.3495, 0.5518)$

Have a look what the booklet for
Yxy(23.9781, 0.3495, 0.5518)
contains.

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Color

Yxy(24.0208, 0.3495, 0.5520)

Conversions

Conversions Part 1

Format	Color
Hex	5A960F
RGB	90, 150, 15
RGB Percent	35%, 59%, 6%
CMY	0.6471, 0.4118, 0.9412
CMYK	0.40, 0.00, 0.90, 0.41
HSL	87°, 82%, 32%
HSV	87°, 90%, 59%
XYZ	15.2088, 24.0208, 4.2863
YIQ	116.6700, 7.5750, -54.7050

Conversions

Conversions Part 2

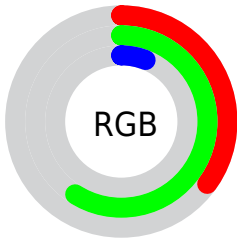
Format	Color
RYB	15, 150, 75
Decimal	5936655
CIELab	56.11, -39.36, 56.29
CIELCh	56, 68.687, 124.965
Yxy	24.0208, 0.3495, 0.5520
Android (android.graphics.Color)	4284126735 (0xFF5A960F)
YUV	116.6700, -50.1233, -23.3896
Hunter-Lab	49.0110, -30.3782, 29.1224

Details

The Yxy color **24.0208, 0.3495, 0.5520** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0395, 0.2052, 0.0966**, and the grayscale version is **17.8381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2042, 0.3491, 0.5035**, and **9.0587, 0.3214, 0.5830** is the 20% darker color. If you saturate the color by 10%, you get **23.6680, 0.3455, 0.5639**, and if you desaturate by 10%, it is **24.4306, 0.3519, 0.5362**.

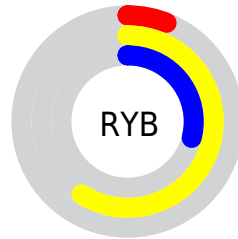
Distribution



Red (35%)

Green (59%)

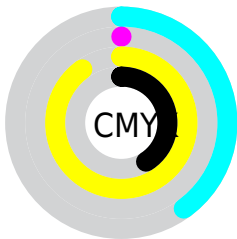
Blue (6%)



Red (6%)

Yellow (59%)

Blue (29%)

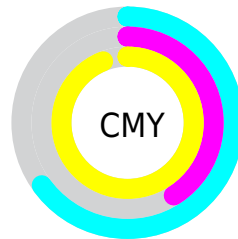


Cyan (40%)

Magenta (0%)

Yellow (90%)

Black (41%)



Cyan (65%)

Magenta (41%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0208, 0.3495, 0.5520 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 24.0208, 0.3495, 0.5520 by changing the saturation by 10% instead.


 24.0208, 0.3495,
0.5520


 24.0208, 0.3495,
0.5520


272.9256, 0.3394,
0.4249


 15.3491, 0.3457,
0.5862


 50.0641, 0.3496,
0.5031

 9.0647, 0.3376,
0.6332


 68.2045, 0.3483,
0.4854

 4.7834, 0.3134,
0.6866

 90.2699, 0.3467,
0.4707

 2.1208, 0.2571,
0.7429

 116.6447, 0.3452,
0.4585

 0.6763, 0.0000,
1.0000


 147.7132, 0.3436,
0.4482


 0.0000, 0.0000,
0.0000


 183.8600, 0.3421,


0.4393


 225.4693, 0.3407,
0.4316


 24.0208, 0.3495,
0.5520

 24.0208, 0.3495,
0.5520


 23.6680, 0.3455,
0.5639

 24.4306, 0.3519,
0.5362

 24.9065, 0.3521,
0.5155

 25.4550, 0.3502,
0.4910

 26.0806, 0.3463,
0.4640

 26.7875, 0.3410,
0.4356

■ 27.5795, 0.3346,
0.4072

■ 28.4601, 0.3275,
0.3795

■ 29.4326, 0.3201,
0.3534

■ 30.4999, 0.3127,
0.3290

Harmonies

Analogous

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



24.0208, 0.4494, 0.5010



24.0208, 0.3495, 0.5520



24.0208, 0.2461, 0.5061

Triad

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



24.0208, 0.3495, 0.5520



24.0208, 0.1314, 0.1856



24.0208, 0.4709, 0.2727

Complementary

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



24.0208, 0.3495, 0.5520



4.0395, 0.2052, 0.0966

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.



24.0208, 0.3505, 0.2133



24.0208, 0.3495, 0.5520



24.0208, 0.1659, 0.1649

Square

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



24.0208, 0.3495, 0.5520



24.0208, 0.1303, 0.2496



24.0208, 0.2386, 0.1755



24.0208, 0.5375, 0.3432

Rectangle

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



24.0208, 0.3495, 0.5520



24.0208, 0.1887, 0.4186



24.0208, 0.2386, 0.1755



24.0208, 0.4336, 0.2512

Sweetspot

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



24.0218, 0.3495, 0.5520



49.0386, 0.3329, 0.4002



11.3498, 0.5333, 0.4014



10.7674, 0.3350, 0.4088



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.



24.0218, 0.3495, 0.5520



41.6617, 0.3443, 0.5649



22.0424, 0.3030, 0.5875



6.6177, 0.3195, 0.3513



19.6480, 0.3460, 0.5635



0.2580, 0.3785, 0.5376

Inverse Universe

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



4.0395, 0.2052, 0.0966



5.8709, 0.1917, 0.0830



8.2066, 0.3061, 0.1508



5.7516, 0.3054, 0.3066



2.8248, 0.1943, 0.0844



0.0516, 0.2442, 0.1119

Previews

White Background



This preview shows how the Yxy color 24.0208, 0.3495, 0.5520 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 24.0208, 0.3495, 0.5520 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 24.0208, 0.3495, 0.5520

Background



This preview shows how black text looks on a background with the Yxy color 24.0208, 0.3495, 0.5520.



This preview shows how white text looks on a background with the Yxy color 24.0208, 0.3495, 0.5520.

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

24.0208, 0.3495, 0.5520

Protanopia

23.6448, 0.4387, 0.4864

Deuteranopia

23.6134, 0.4586, 0.4510



Tritanopia

23.8254, 0.2695, 0.3075

Trichromacy



Original Color

24.0208, 0.3495, 0.5520

Protanomaly

23.4452, 0.4039, 0.5122

Deuteranomaly

22.9780, 0.4182, 0.4887

Tritanomaly

23.3709, 0.3079, 0.4092

Monochromacy



Original Color

24.0208, 0.3495, 0.5520

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.4055, 0.3392, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0208, 0.3495, 0.5520 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(90, 150, 15)` looks like.

```
.text, #text, p{  
    color:rgb(90, 150, 15)  
}
```

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(90, 150, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 150, 15) }
```

Border

The CSS property to change the border of an element to Yxy 24.0208, 0.3495, 0.5520 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(90, 150, 15) }
```

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

```
.border{ border-color:rgb(90, 150, 15) }
```

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

Here you see how a box with a 4 pixel rgb(90, 150, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 150, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 150, 15);  
box-shadow:4px 4px 4px 4px rgb(90, 150,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0208, 0.3495, 0.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 150, 15) }
```

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

```
.background{ background-color: rgb(90, 150,  
15) }
```

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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