

Converting Colors

$Y_{xy}(18.1257, 0.3548, 0.6452)$

Have a look what the booklet for
Yxy(18.1257, 0.3548, 0.6452)
contains.

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Color

Yxy(18.2578, 0.3302, 0.5760)

Conversions

Conversions Part 1

Format	Color
Hex	3B8700
RGB	59, 135, 0
RGB Percent	23%, 53%, 0%
CMY	0.7687, 0.4706, 0.9999
CMYK	0.56, 0.00, 1.00, 0.47
HSL	94°, 100%, 26%
HSV	94°, 100%, 53%
XYZ	10.4665, 18.2578, 2.9732
YIQ	96.8860, -1.9610, -58.0970

Conversions

Conversions Part 2

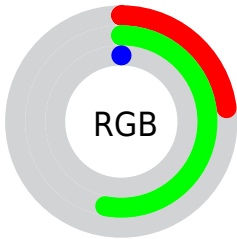
Format	Color
RYB	0, 135, 76
Decimal	3901184
CIELab	49.81, -43.99, 53.23
CIELCh	50, 69.061, 129.571
Yxy	18.2578, 0.3302, 0.5760
Android (android.graphics.Color)	4282091264 (0xFF3B8700)
YUV	96.8860, -47.7648, -33.2260
Hunter-Lab	42.7291, -31.0523, 25.7848

Details

The Yxy color **18.2578, 0.3302, 0.5760** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.2896, 0.2176, 0.0973**, and the grayscale version is **12.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4334, 0.3354, 0.5167**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2579, 0.3302, 0.5760**, and if you desaturate by 10%, it is **18.5384, 0.3345, 0.5624**.

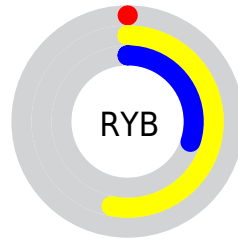
Distribution



Red (23%)

Green (53%)

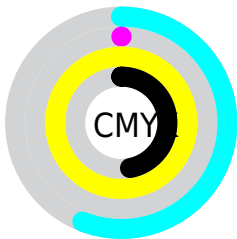
Blue (0%)



Red (0%)

Yellow (53%)

Blue (30%)

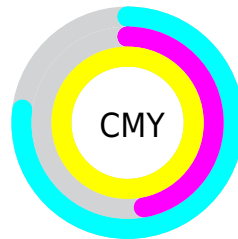


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (77%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2578, 0.3302, 0.5760 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 18.2578, 0.3302, 0.5760 by changing the saturation by 10% instead.


 18.2578, 0.3302,
0.5760


 18.2578, 0.3302,
0.5760


242.3201, 0.3319,
0.4279


 11.1352, 0.3210,
0.6190


 40.4761, 0.3358,
0.5166


 6.1579, 0.3085,
0.6915

 56.3407, 0.3361,
0.4958

 2.9413, 0.2578,
0.7422

 75.8880, 0.3358,
0.4790

 1.1012, 0.0000,
1.0000


 99.5025, 0.3352,
0.4651


 0.0000, 0.0000,
0.0000

 127.5686, 0.3344,
0.4535


 160.4706, 0.3336,

0.4436


 198.5930, 0.3327,
0.4352


 18.2578, 0.3302,
0.5760

 18.2578, 0.3302,
0.5760


 18.2579, 0.3302,
0.5760

 18.5384, 0.3345,
0.5624

 18.8720, 0.3378,
0.5448

 19.2708, 0.3392,
0.5222

 19.7396, 0.3387,
0.4957

 20.2826, 0.3366,
0.4668

■ 20.9036, 0.3331,
0.4371

■ 21.6060, 0.3287,
0.4077

■ 22.3930, 0.3236,
0.3795

■ 23.2677, 0.3182,
0.3532

Harmonies

Analogous

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



18.2578, 0.4398, 0.5238



18.2578, 0.3302, 0.5760



18.2578, 0.2220, 0.5079

Triad

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



18.2578, 0.3302, 0.5760



18.2578, 0.1225, 0.1682



18.2578, 0.5030, 0.2775

Complementary

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



18.2578, 0.3302, 0.5760



3.2896, 0.2176, 0.0973

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.



18.2578, 0.3745, 0.2127



18.2578, 0.3302, 0.5760



18.2578, 0.1639, 0.1531

Square

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



18.2578, 0.3302, 0.5760



18.2578, 0.1153, 0.2263



18.2578, 0.2475, 0.1690



18.2578, 0.5602, 0.3518

Rectangle

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



18.2578, 0.3302, 0.5760



18.2578, 0.1656, 0.4023



18.2578, 0.2475, 0.1690



18.2578, 0.4649, 0.2544

Sweetspot

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



18.2586, 0.3302, 0.5760



38.5959, 0.3290, 0.4097



10.0851, 0.5227, 0.4231



8.8283, 0.3307, 0.4205



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.2586, 0.3302, 0.5760



32.6018, 0.3287, 0.5772



17.3446, 0.2987, 0.5954



5.2968, 0.3177, 0.3510



16.8422, 0.3304, 0.5758



0.0625, 0.3649, 0.5484

Inverse Universe

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



3.2896, 0.2176, 0.0973



5.7920, 0.2156, 0.0961



6.7175, 0.3335, 0.1611



4.6643, 0.3073, 0.3071



3.0398, 0.2179, 0.0974



0.0149, 0.2636, 0.1226

Previews

White Background



This preview shows how the Yxy color 18.2578, 0.3302, 0.5760 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2578, 0.3302, 0.5760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

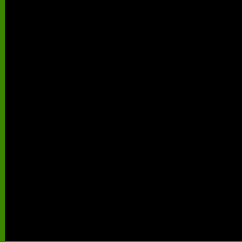
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2578, 0.3302, 0.5760

Background



This preview shows how black text looks on a background with the Yxy color 18.2578, 0.3302, 0.5760.



This preview shows how white text looks on a background with the Yxy color 18.2578, 0.3302, 0.5760.

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

18.2578, 0.3302, 0.5760

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.9681, 0.4578, 0.4516



Tritanopia

18.1071, 0.2538, 0.3063

Trichromacy



Original Color

18.2578, 0.3302, 0.5760

Protanomaly

17.4795, 0.3948, 0.5247

Deuteranomaly

17.1896, 0.4082, 0.5002

Tritanomaly

17.7664, 0.2928, 0.4249

Monochromacy



Original Color

18.2578, 0.3302, 0.5760

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.5557, 0.3338, 0.4471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2578, 0.3302, 0.5760 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(59, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 135, 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(59, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2578, 0.3302, 0.5760 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(59, 135, 0) }
```

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

```
.border{ border-color:rgb(59, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 135, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2578, 0.3302, 0.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 135, 0) }
```

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

```
.background{ background-color: rgb(59, 135,  
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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