

Converting Colors

$Y_{xy}(21.0514, 0.3267, 0.5788)$

Have a look what the booklet for
Yxy(21.0514, 0.3267, 0.5788)
contains.

Yxy(21.1806, 0.3262, 0.5792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1806, 0.3262, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	3B9100
RGB	59, 145, 0
RGB Percent	23%, 57%, 0%
CMY	0.7687, 0.4314, 1.0000
CMYK	0.59, 0.00, 1.00, 0.43
HSL	96°, 100%, 28%
HSV	96°, 100%, 57%
XYZ	11.9287, 21.1806, 3.4594
YIQ	102.7560, -4.7110, -63.3270

Conversions

Conversions Part 2

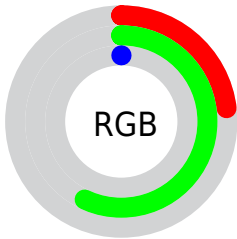
Format	Color
RYB	0, 145, 86
Decimal	3903744
CIELab	53.15, -47.71, 55.87
CIELCh	53, 73.472, 130.494
Yxy	21.1806, 0.3262, 0.5792
Android (android.graphics.Color)	4282093824 (0xFF3B9100)
YUV	102.7560, -50.6587, -38.3740
Hunter-Lab	46.0224, -34.2731, 27.7590

Details

The Yxy color **21.1806, 0.3262, 0.5792** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.0238, 0.2234, 0.1004**, and the grayscale version is **13.6332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5078, 0.3327, 0.5215**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.1814, 0.3262, 0.5792**, and if you desaturate by 10%, it is **21.4994, 0.3308, 0.5660**.

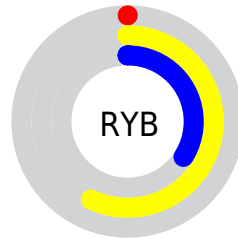
Distribution



Red (23%)

Green (57%)

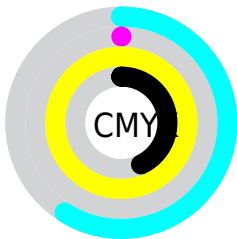
Blue (0%)



Red (0%)

Yellow (57%)

Blue (34%)

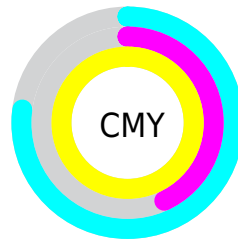


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (77%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1806, 0.3262, 0.5792 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 21.1806, 0.3262, 0.5792 by changing the saturation by 10% instead.


 21.1806, 0.3262,
0.5792


 21.1806, 0.3262,
0.5792


258.2367, 0.3306,
0.4319


 13.2561, 0.3169,
0.6207


 45.3879, 0.3327,
0.5210

 7.6051, 0.3041,
0.6879


 62.4395, 0.3334,
0.5004


 3.8433, 0.2596,
0.7404

 83.3022, 0.3335,
0.4835

 1.5863, 0.1211,
0.8789

 108.3605, 0.3331,
0.4696


 0.3483, 0.0000,
1.0000


 137.9986, 0.3326,
0.4579


 0.0000, 0.0000,
0.0000


 172.6012, 0.3320,


0.4479

 212.5524, 0.3313,
0.4393


 21.1806, 0.3262,
0.5792


 21.1806, 0.3262,
0.5792


 21.1814, 0.3262,
0.5792

 21.4994, 0.3308,
0.5660

 21.8852, 0.3343,
0.5483

 22.3519, 0.3361,
0.5254

 22.9055, 0.3360,
0.4984

 23.5512, 0.3344,
0.4689

■ 24.2938, 0.3313,
0.4386

■ 25.1378, 0.3274,
0.4087

■ 26.0871, 0.3228,
0.3801

■ 27.1456, 0.3178,
0.3534

Harmonies

Analogous

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



21.1806, 0.4371, 0.5278



21.1806, 0.3262, 0.5792



21.1806, 0.2176, 0.5062

Triad

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



21.1806, 0.3262, 0.5792



21.1806, 0.1217, 0.1657



21.1806, 0.5085, 0.2790

Complementary

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



21.1806, 0.3262, 0.5792



4.0238, 0.2234, 0.1004

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.



21.1806, 0.3795, 0.2133



21.1806, 0.3262, 0.5792



21.1806, 0.1644, 0.1516

Square

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



21.1806, 0.3262, 0.5792



21.1806, 0.1133, 0.2223



21.1806, 0.2501, 0.1685



21.1806, 0.5631, 0.3538

Rectangle

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



21.1806, 0.3262, 0.5792



21.1806, 0.1618, 0.3979



21.1806, 0.2501, 0.1685



21.1806, 0.4705, 0.2556

Sweetspot

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



21.1815, 0.3262, 0.5792



44.9151, 0.3276, 0.4106



12.4524, 0.5142, 0.4299



9.8620, 0.3292, 0.4217



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.



21.1815, 0.3262, 0.5792



37.8343, 0.3248, 0.5803



20.2787, 0.2980, 0.5930



6.1298, 0.3174, 0.3513



18.1815, 0.3266, 0.5789



0.1862, 0.3613, 0.5513

Inverse Universe

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



4.0238, 0.2234, 0.1004



7.1015, 0.2215, 0.0994



7.7114, 0.3426, 0.1661



5.4031, 0.3077, 0.3069



3.4663, 0.2239, 0.1007



0.0460, 0.2682, 0.1251

Previews

White Background



This preview shows how the Yxy color 21.1806, 0.3262, 0.5792 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 21.1806, 0.3262, 0.5792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

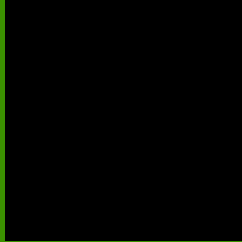
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1806, 0.3262, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 21.1806, 0.3262, 0.5792.



This preview shows how white text looks on a background with the Yxy color 21.1806, 0.3262, 0.5792.

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

21.1806, 0.3262, 0.5792

Protanopia

20.9295, 0.4387, 0.4899

Deuteranopia

20.8976, 0.4591, 0.4515



Tritanopia

21.1971, 0.2515, 0.3076

Trichromacy



Original Color

21.1806, 0.3262, 0.5792

Protanomaly

20.4949, 0.3914, 0.5275

Deuteranomaly

19.9585, 0.4063, 0.5026

Tritanomaly

20.7114, 0.2902, 0.4283

Monochromacy



Original Color

21.1806, 0.3262, 0.5792

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.3765, 0.3322, 0.4484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1806, 0.3262, 0.5792 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, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 145, 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, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1806, 0.3262, 0.5792 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, 145, 0) }
```

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

```
.border{ border-color:rgb(59, 145, 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, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1806, 0.3262, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 145, 0) }
```

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

```
.background{ background-color: rgb(59, 145,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor