

Converting Colors

$Y_{xy}(21.0316, 0.3113, 0.5724)$

Have a look what the booklet for
Yxy(21.0316, 0.3113, 0.5724)
contains.

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Color

Yxy(21.1775, 0.3114, 0.5726)

Conversions

Conversions Part 1

Format	Color
Hex	2D9217
RGB	45, 146, 23
RGB Percent	18%, 57%, 9%
CMY	0.8233, 0.4275, 0.9099
CMYK	0.69, 0.00, 0.84, 0.43
HSL	109°, 73%, 33%
HSV	109°, 84%, 57%
XYZ	11.5171, 21.1775, 4.2902
YIQ	101.7790, -20.7130, -59.6650

Conversions

Conversions Part 2

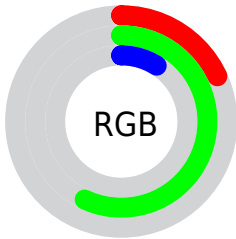
Format	Color
RYB	23, 146, 124
Decimal	2986519
CIELab	53.14, -50.61, 51.16
CIELCh	53, 71.960, 134.692
Yxy	21.1775, 0.3114, 0.5726
Android (android.graphics.Color)	4281176599 (0xFF2D9217)
YUV	101.7790, -38.8380, -49.7952
Hunter-Lab	46.0190, -35.8605, 26.6859

Details

The Yxy color **21.1775, 0.3114, 0.5726** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.9682, 0.2840, 0.1434**, and the grayscale version is **13.3369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4020, 0.3198, 0.5141**, and **8.0054, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.9004, 0.3081, 0.5879**, and if you desaturate by 10%, it is **21.5656, 0.3141, 0.5503**.

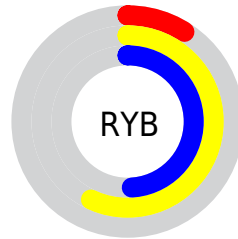
Distribution



Red (18%)

Green (57%)

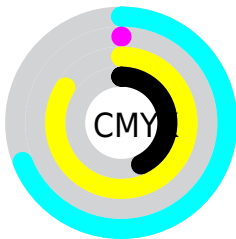
Blue (9%)



Red (9%)

Yellow (57%)

Blue (49%)

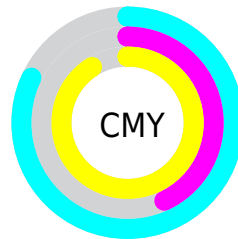


Cyan (69%)

Magenta (0%)

Yellow (84%)

Black (43%)



Cyan (82%)


Magenta (43%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1775, 0.3114, 0.5726 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 21.1775, 0.3114, 0.5726 by changing the saturation by 10% instead.


 21.1775, 0.3114,
0.5726


 21.1775, 0.3114,
0.5726


258.2203, 0.3225,
0.4271


 13.2538, 0.3013,
0.6157


 45.3828, 0.3198,
0.5140


 7.6036, 0.2843,
0.6784


 62.4331, 0.3214,
0.4936

 3.8423, 0.2459,
0.7541

 83.2945, 0.3223,
0.4771

 1.5858, 0.0851,
0.9149

 108.3513, 0.3227,
0.4635


 0.3480, 0.0000,
1.0000


 137.9878, 0.3229,
0.4521


 0.0000, 0.0000,
0.0000


 172.5886, 0.3228,


0.4425

 212.5380, 0.3227,
0.4342


 21.1775, 0.3114,
0.5726


 21.1775, 0.3114,
0.5726


 20.9004, 0.3081,
0.5879


 21.5656, 0.3141,
0.5503

 20.7797, 0.3065,
0.5948

 22.0728, 0.3161,
0.5223

 22.7093, 0.3172,
0.4908

 23.4833, 0.3175,
0.4577

 24.4025, 0.3171,
0.4249

■ 25.4738, 0.3162,
0.3938

■ 26.7038, 0.3149,
0.3651

■ 28.0988, 0.3134,
0.3392

■ 29.6645, 0.3118,
0.3161

Harmonies

Analogous

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



21.1775, 0.4217, 0.5363



21.1775, 0.3114, 0.5726



21.1775, 0.2067, 0.4817

Triad

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



21.1775, 0.3114, 0.5726



21.1775, 0.1280, 0.1641



21.1775, 0.5178, 0.2902

Complementary

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



21.1775, 0.3114, 0.5726



6.9682, 0.2840, 0.1434

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.



21.1775, 0.3978, 0.2233



21.1775, 0.3114, 0.5726



21.1775, 0.1758, 0.1547

Square

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



21.1775, 0.3114, 0.5726



21.1775, 0.1152, 0.2133



21.1775, 0.2670, 0.1755



21.1775, 0.5587, 0.3655

Rectangle

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



21.1775, 0.3114, 0.5726



21.1775, 0.1556, 0.3739



21.1775, 0.2670, 0.1755



21.1775, 0.4840, 0.2666

Sweetspot

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



21.1784, 0.3114, 0.5726



44.6876, 0.3163, 0.3976



20.4499, 0.4417, 0.4718



9.8058, 0.3166, 0.4072



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.



21.1784, 0.3114, 0.5726



36.6036, 0.3057, 0.5955



21.0868, 0.2832, 0.5194



6.5155, 0.3142, 0.3517



18.2938, 0.3068, 0.5946



0.2332, 0.3301, 0.5761

Inverse Universe

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



6.9682, 0.2840, 0.1434



10.6159, 0.2758, 0.1293



7.7857, 0.3978, 0.2090



5.8572, 0.3110, 0.3070



5.3375, 0.2770, 0.1299



0.0764, 0.2996, 0.1424

Previews

White Background



This preview shows how the Yxy color 21.1775, 0.3114, 0.5726 looks on a white background.

Color Contrast Check

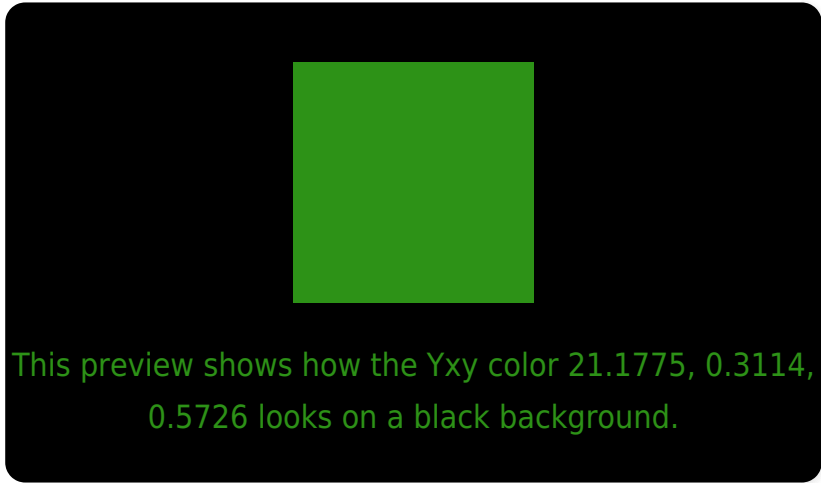
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1775, 0.3114, 0.5726

Background



This preview shows how black text looks on a background with the Yxy color 21.1775, 0.3114, 0.5726.



This preview shows how white text looks on a background with the Yxy color 21.1775, 0.3114, 0.5726.

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

21.1775, 0.3114, 0.5726

Protanopia

20.7130, 0.4356, 0.4820

Deuteranopia

20.8420, 0.4528, 0.4458



Tritanopia

21.1707, 0.2453, 0.3074

Trichromacy



Original Color

21.1775, 0.3114, 0.5726

Protanomaly

19.9479, 0.3812, 0.5220

Deuteranomaly

19.5922, 0.3918, 0.4965

Tritanomaly

20.7722, 0.2741, 0.4117

Monochromacy



Original Color

21.1775, 0.3114, 0.5726

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.1872, 0.3172, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1775, 0.3114, 0.5726 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(45, 146, 23)` looks like.

```
.text, #text, p{  
    color:rgb(45, 146, 23)  
}
```

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(45, 146, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 146, 23) }
```

Border

The CSS property to change the border of an element to Yxy 21.1775, 0.3114, 0.5726 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(45, 146, 23) }
```

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

```
.border{ border-color:rgb(45, 146, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 146, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 146, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 146, 23);  
box-shadow:4px 4px 4px 4px rgb(45, 146,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1775, 0.3114, 0.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 146, 23) }
```

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

```
.background{ background-color: rgb(45, 146,  
23) }
```

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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