

Converting Colors

Yxy(30.9946, 0.3348, 0.5520)

Have a look what the booklet for
Yxy(30.9946, 0.3348, 0.5520)
contains.

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Color

Yxy(30.9776, 0.3344, 0.5523)

Conversions

Conversions Part 1

Format	Color
Hex	59AA20
RGB	89, 170, 32
RGB Percent	35%, 67%, 13%
CMY	0.6509, 0.3333, 0.8746
CMYK	0.48, 0.00, 0.81, 0.33
HSL	95°, 68%, 40%
HSV	95°, 81%, 67%
XYZ	18.7559, 30.9776, 6.3548
YIQ	130.0490, -3.9780, -60.0900

Conversions

Conversions Part 2

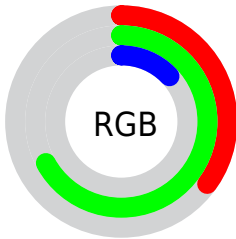
Format	Color
RYB	32, 170, 113
Decimal	5876256
CIELab	62.49, -47.22, 57.75
CIELCh	62, 74.593, 129.272
Yxy	30.9776, 0.3344, 0.5523
Android (android.graphics.Color)	4284066336 (0xFF59AA20)
YUV	130.0490, -48.3382, -36.0000
Hunter-Lab	55.6575, -37.2482, 32.1907

Details

The Yxy color **30.9776, 0.3344, 0.5523** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.4420, 0.2401, 0.1226**, and the grayscale version is **22.5177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2250, 0.3371, 0.5052**, and **12.9293, 0.3098, 0.5923** is the 20% darker color. If you saturate the color by 10%, you get **30.4486, 0.3304, 0.5688**, and if you desaturate by 10%, it is **31.6238, 0.3365, 0.5302**.

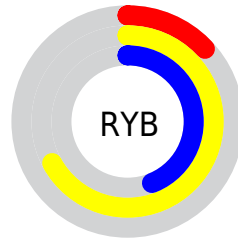
Distribution



Red (35%)

Green (67%)

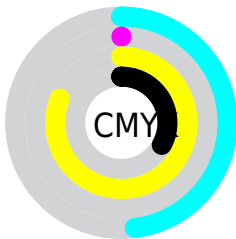
Blue (13%)



Red (13%)

Yellow (67%)

Blue (44%)

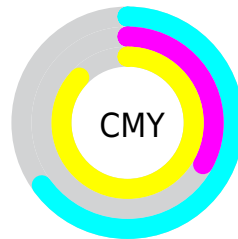


Cyan (48%)

Magenta (0%)

Yellow (81%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9776, 0.3344, 0.5523 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 30.9776, 0.3344, 0.5523 by changing the saturation by 10% instead.


 30.9776, 0.3344,
0.5523


 30.9776, 0.3344,
0.5523


306.4351, 0.3324,
0.4279


 20.5818, 0.3298,
0.5852


 61.2048, 0.3370,
0.5050


 12.8187, 0.3198,
0.6269


 81.8050, 0.3368,
0.4877


 7.3038, 0.3060,
0.6940


 106.5754, 0.3363,
0.4734

 3.6528, 0.2582,
0.7418

 135.9005, 0.3356,
0.4614

 1.4813, 0.0983,
0.9017

 170.1646, 0.3349,
0.4511

 0.2755, 0.0000,
1.0000

 209.7521, 0.3340,

 0.0000, 0.0000,

0.4423

0.0000

255.0475, 0.3332,
0.4346

■ 30.9776, 0.3344,
0.5523

■ 30.9776, 0.3344,
0.5523

■ 30.4486, 0.3304,
0.5688

■ 31.6238, 0.3365,
0.5302

■ 30.0618, 0.3260,
0.5793

■ 32.3922, 0.3368,
0.5037

■ 33.2919, 0.3353,
0.4743

■ 34.3302, 0.3324,
0.4437

■ 35.5133, 0.3284,
0.4134

■ 36.8474, 0.3237,
0.3842

■ 38.3381, 0.3186,
0.3569

■ 39.9907, 0.3133,
0.3318

■ 41.8103, 0.3081,
0.3092

Harmonies

Analogous

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



30.9776, 0.4360, 0.5113



30.9776, 0.3344, 0.5523



30.9776, 0.2327, 0.4894

Triad

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



30.9776, 0.3344, 0.5523



30.9776, 0.1346, 0.1807



30.9776, 0.4847, 0.2825

Complementary

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



30.9776, 0.3344, 0.5523



7.4420, 0.2401, 0.1226

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.



30.9776, 0.3685, 0.2209



30.9776, 0.3344, 0.5523



30.9776, 0.1741, 0.1649

Square

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



30.9776, 0.3344, 0.5523



30.9776, 0.1286, 0.2373



30.9776, 0.2526, 0.1796



30.9776, 0.5397, 0.3539

Rectangle

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



30.9776, 0.3344, 0.5523



30.9776, 0.1789, 0.3974



30.9776, 0.2526, 0.1796



30.9776, 0.4500, 0.2604

Sweetspot

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



30.9789, 0.3344, 0.5523



66.0385, 0.3253, 0.3935



20.3471, 0.4814, 0.4317



14.5396, 0.3269, 0.4036



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.9789, 0.3344, 0.5523



54.6419, 0.3264, 0.5773



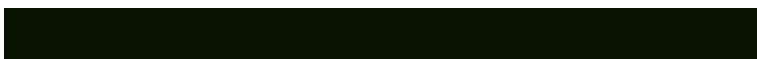
29.2348, 0.2975, 0.5643



8.5535, 0.3176, 0.3519



22.1444, 0.3268, 0.5787



0.5689, 0.3548, 0.5565

Inverse Universe

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



7.4420, 0.2401, 0.1226



10.3903, 0.2221, 0.1008



12.0637, 0.3376, 0.1747



7.5098, 0.3074, 0.3063



4.1506, 0.2218, 0.0996



0.1299, 0.2551, 0.1179

Previews

White Background



This preview shows how the Yxy color 30.9776, 0.3344, 0.5523 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9776, 0.3344, 0.5523 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 ✓ Pass

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

Yxy 30.9776, 0.3344, 0.5523

Background



This preview shows how black text looks on a background with the Yxy color 30.9776, 0.3344, 0.5523.



This preview shows how white text looks on a background with the Yxy color 30.9776, 0.3344, 0.5523.

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

30.9776, 0.3344, 0.5523

Protanopia

30.6474, 0.4332, 0.4806

Deuteranopia

30.5335, 0.4538, 0.4462



Tritanopia

30.7090, 0.2606, 0.3077

Trichromacy



Original Color

30.9776, 0.3344, 0.5523

Protanomaly

30.1179, 0.3934, 0.5093

Deuteranomaly

29.6180, 0.4065, 0.4866

Tritanomaly

30.0215, 0.2936, 0.4045

Monochromacy



Original Color

30.9776, 0.3344, 0.5523

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.7038, 0.3298, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9776, 0.3344, 0.5523 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(89, 170, 32)` looks like.

```
.text, #text, p{  
  color:rgb(89, 170, 32)  
}
```

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(89, 170, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 170, 32) }
```

Border

The CSS property to change the border of an element to Yxy 30.9776, 0.3344, 0.5523 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(89, 170, 32) }
```

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

```
.border{ border-color:rgb(89, 170, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 170, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 170, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 170, 32);  
box-shadow:4px 4px 4px 4px rgb(89, 170,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9776, 0.3344, 0.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 170, 32) }
```

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

```
.background{ background-color: rgb(89, 170,  
32) }
```

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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