

Converting Colors

$Y_{xy}(11.9712, 0.3193, 0.5287)$

Have a look what the booklet for
Yxy(11.9712, 0.3193, 0.5287)
contains.

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Color

Yxy(11.9712, 0.3193, 0.5287)

Conversions

Conversions Part 1

Format	Color
Hex	336E22
RGB	51, 110, 34
RGB Percent	20%, 43%, 13%
CMY	0.8000, 0.5686, 0.8667
CMYK	0.54, 0.00, 0.69, 0.57
HSL	107°, 53%, 28%
HSV	107°, 69%, 43%
XYZ	7.2298, 11.9712, 3.4417
YIQ	83.6950, -10.7680, -36.1440

Conversions

Conversions Part 2

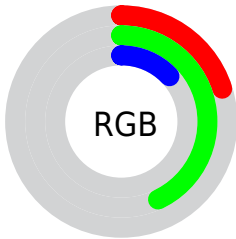
Format	Color
R_{YB}	34, 110, 93
Decimal	3370530
CIE Lab	41.17, -34.57, 35.33
CIE LCh	41, 49.433, 134.376
Yxy	11.9712, 0.3193, 0.5287
Android (android.graphics.Color)	4281560610 (0xFF336E22)
YUV	83.6950, -24.4996, -28.6735
Hunter-Lab	34.5994, -23.2500, 18.3219

Details

The Yxy color **11.9712, 0.3193, 0.5287** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.5954, 0.2850, 0.1658**, and the grayscale version is **8.8527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3334, 0.3234, 0.4734**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7163, 0.3172, 0.5543**, and if you desaturate by 10%, it is **12.2882, 0.3204, 0.4993**.

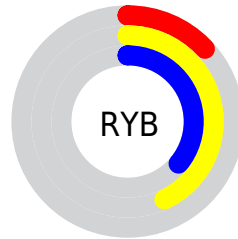
Distribution



Red (20%)

Green (43%)

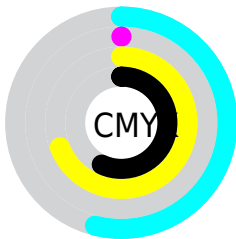
Blue (13%)



Red (13%)

Yellow (43%)

Blue (36%)

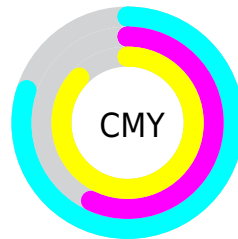


Cyan (54%)

Magenta (0%)

Yellow (69%)

Black (57%)



Cyan (80%)


Magenta (57%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9712, 0.3193, 0.5287 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 11.9712, 0.3193, 0.5287 by changing the saturation by 10% instead.


 11.9712, 0.3193,
0.5287

 11.9712, 0.3193,
0.5287


204.2145, 0.3216,
0.4004


 6.7241, 0.3122,
0.5746


 29.4426, 0.3233,
0.4728


 3.2901, 0.3091,
0.6742

 42.4357, 0.3236,
0.4548

 1.2850, 0.2050,
0.7950

 58.7796, 0.3235,
0.4407

 0.1296, 0.0000,
1.0000

 78.8587, 0.3232,
0.4294


 0.0000, 0.0000,
0.0000


 103.0573, 0.3228,
0.4202


 131.7599, 0.3224,

0.4125


 165.3508, 0.3220,
0.4059

 11.9712, 0.3193,
0.5287


 11.9712, 0.3193,
0.5287


 11.7163, 0.3172,
0.5543


 12.2882, 0.3204,
0.4993


 11.5178, 0.3141,
0.5743


 12.6696, 0.3205,
0.4679

 11.3662, 0.3110,
0.5900

 13.1193, 0.3199,
0.4363

 11.3544, 0.3108,
0.5914

 13.6408, 0.3185,
0.4057

 14.2369, 0.3168,
0.3770

■ 14.9104, 0.3147,
0.3507

■ 15.6642, 0.3125,
0.3270

■ 16.5008, 0.3102,
0.3059

■ 17.4225, 0.3080,
0.2872

Harmonies

Analogous

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



11.9712, 0.4153, 0.5093



11.9712, 0.3193, 0.5287



11.9712, 0.2265, 0.4538

Triad

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



11.9712, 0.3193, 0.5287



11.9712, 0.1502, 0.1867



11.9712, 0.4834, 0.2985

Complementary

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



11.9712, 0.3193, 0.5287



4.5954, 0.2850, 0.1658

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.



11.9712, 0.3838, 0.2377



11.9712, 0.3193, 0.5287



11.9712, 0.1939, 0.1763

Square

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



11.9712, 0.3193, 0.5287



11.9712, 0.1396, 0.2336



11.9712, 0.2742, 0.1946



11.9712, 0.5226, 0.3678

Rectangle

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



11.9712, 0.3193, 0.5287



11.9712, 0.1799, 0.3696



11.9712, 0.2742, 0.1946



11.9712, 0.4548, 0.2769

Sweetspot

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



11.9717, 0.3193, 0.5287



24.7321, 0.3172, 0.3838



11.1309, 0.4261, 0.4488



5.7056, 0.3176, 0.3895



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.9717, 0.3193, 0.5287



20.3509, 0.3154, 0.5672



11.7610, 0.2867, 0.4881



3.7959, 0.3147, 0.3505



13.6276, 0.3103, 0.5918



67.5586, 0.3075, 0.5941

Inverse Universe

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



4.5954, 0.2850, 0.1658



6.3732, 0.2758, 0.1405



5.1920, 0.3655, 0.2147



3.4177, 0.3105, 0.3080



3.6806, 0.2669, 0.1244



17.9406, 0.2638, 0.1227

Previews

White Background



This preview shows how the Yxy color 11.9712, 0.3193, 0.5287 looks on a white background.

Color Contrast Check

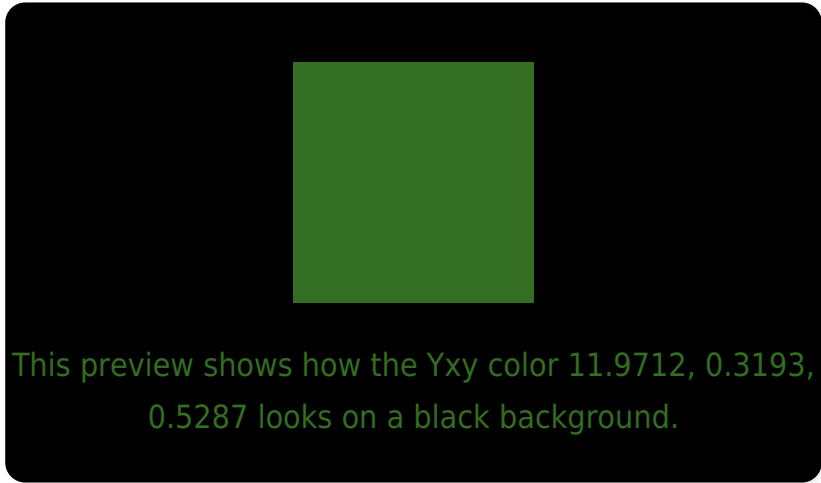
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

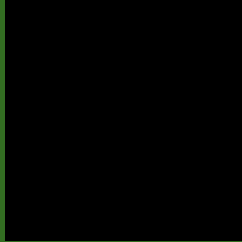
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9712, 0.3193, 0.5287

Background



This preview shows how black text looks on a background with the Yxy color 11.9712, 0.3193, 0.5287.



This preview shows how white text looks on a background with the Yxy color 11.9712, 0.3193, 0.5287.

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

11.9712, 0.3193, 0.5287

Protanopia

11.8313, 0.4198, 0.4645

Deuteranopia

11.8006, 0.4362, 0.4305



Tritanopia

12.0064, 0.2568, 0.3094

Trichromacy



Original Color

11.9712, 0.3193, 0.5287

Protanomaly

11.6279, 0.3779, 0.4921

Deuteranomaly

11.4965, 0.3878, 0.4678

Tritanomaly

11.9247, 0.2824, 0.3898

Monochromacy



Original Color

11.9712, 0.3193, 0.5287

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.5998, 0.3184, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9712, 0.3193, 0.5287 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(51, 110, 34)` looks like.

```
.text, #text, p{  
    color:rgb(51, 110, 34)  
}
```

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(51, 110, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 110, 34) }
```

Border

The CSS property to change the border of an element to Yxy 11.9712, 0.3193, 0.5287 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(51, 110, 34) }
```

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

```
.border{ border-color:rgb(51, 110, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 110, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 110, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 110, 34);  
box-shadow:4px 4px 4px 4px rgb(51, 110,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9712, 0.3193, 0.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 110, 34) }
```

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

```
.background{ background-color: rgb(51, 110,  
34) }
```

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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