

Converting Colors

$Y_{xy}(13.1578, 0.3356, 0.5268)$

Have a look what the booklet for
Yxy(13.1578, 0.3356, 0.5268)
contains.

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Color

Yxy(13.2627, 0.3356, 0.5263)

Conversions

Conversions Part 1

Format	Color
Hex	417220
RGB	65, 114, 32
RGB Percent	25%, 45%, 13%
CMY	0.7452, 0.5529, 0.8745
CMYK	0.43, 0.00, 0.72, 0.55
HSL	96°, 56%, 29%
HSV	96°, 72%, 45%
XYZ	8.4571, 13.2627, 3.4801
YIQ	90.0010, -2.8820, -35.8900

Conversions

Conversions Part 2

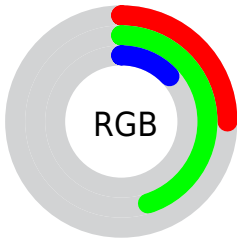
Format	Color
R_{YB}	32, 114, 81
Decimal	4289056
CIE _{Lab}	43.16, -31.77, 38.52
CIE _{LCh}	43, 49.931, 129.509
Yxy	13.2627, 0.3356, 0.5263
Android (android.graphics.Color)	4282479136 (0xFF417220)
YUV	90.0010, -28.5945, -21.9259
Hunter-Lab	36.4180, -22.2797, 19.8268

Details

The Yxy color **13.2627, 0.3356, 0.5263** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.9977, 0.2548, 0.1466**, and the grayscale version is **10.2897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6484, 0.3361, 0.4737**, and **3.8588, 0.3123, 0.5902** is the 20% darker color. If you saturate the color by 10%, you get **12.9930, 0.3338, 0.5487**, and if you desaturate by 10%, it is **13.5831, 0.3357, 0.5000**.

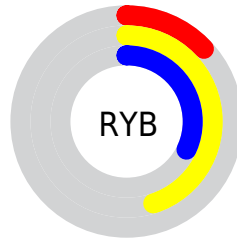
Distribution



 Red (25%)

 Green (45%)

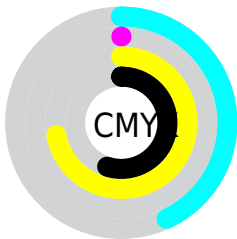
 Blue (13%)




 Red (13%)

 Yellow (45%)

 Blue (32%)

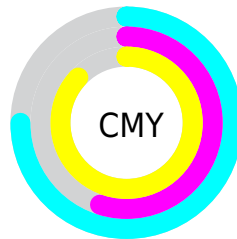


 Cyan (43%)


 Magenta (0%)

 Yellow (72%)

 Black (55%)



 Cyan (75%)


 Magenta (55%)

 Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2627, 0.3356, 0.5263 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 13.2627, 0.3356, 0.5263 by changing the saturation by 10% instead.


 13.2627, 0.3356,
0.5263


 13.2627, 0.3356,
0.5263


212.5945, 0.3285,
0.4023

 7.6097, 0.3316,
0.5680


 31.7749, 0.3358,
0.4736

 3.8462, 0.3315,
0.6519

 45.4029, 0.3347,
0.4562

 1.5879, 0.2772,
0.7228

 62.4581, 0.3336,
0.4425

 0.3494, 0.0000,
1.0000

 83.3248, 0.3324,
0.4313

 0.0000, 0.0000,
0.0000

 108.3873, 0.3313,
0.4222

 138.0302, 0.3303,

0.4145

172.6378, 0.3293,
0.4079

13.2627, 0.3356,
0.5263

13.2627, 0.3356,
0.5263

12.9930, 0.3338,
0.5487

13.5831, 0.3357,
0.5000

12.7690, 0.3303,
0.5661

13.9553, 0.3342,
0.4713

12.6133, 0.3273,
0.5783

14.3828, 0.3314,
0.4416

14.8678, 0.3277,
0.4123

15.4128, 0.3233,
0.3841

■ 16.0198, 0.3186,
0.3577

■ 16.6910, 0.3137,
0.3334

■ 17.4282, 0.3088,
0.3114

■ 18.2333, 0.3040,
0.2916

Harmonies

Analogous

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



13.2627, 0.4281, 0.4971



13.2627, 0.3356, 0.5263



13.2627, 0.2422, 0.4679

Triad

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



13.2627, 0.3356, 0.5263



13.2627, 0.1492, 0.1943



13.2627, 0.4666, 0.2890

Complementary

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



13.2627, 0.3356, 0.5263



3.9977, 0.2548, 0.1466

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.



13.2627, 0.3642, 0.2312



13.2627, 0.3356, 0.5263



13.2627, 0.1869, 0.1787

Square

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



13.2627, 0.3356, 0.5263



13.2627, 0.1440, 0.2477



13.2627, 0.2600, 0.1923



13.2627, 0.5168, 0.3565

Rectangle

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



13.2627, 0.3356, 0.5263



13.2627, 0.1924, 0.3892



13.2627, 0.2600, 0.1923



13.2627, 0.4360, 0.2682

Sweetspot

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



13.2633, 0.3356, 0.5263



27.0188, 0.3236, 0.3858



9.3950, 0.4550, 0.4251



6.2030, 0.3245, 0.3913



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.2633, 0.3356, 0.5263



22.5743, 0.3318, 0.5603



12.4881, 0.2980, 0.5334



3.8226, 0.3171, 0.3503



14.0304, 0.3269, 0.5786



69.4166, 0.3231, 0.5816

Inverse Universe

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



3.9977, 0.2548, 0.1466



5.1874, 0.2381, 0.1176



5.6756, 0.3338, 0.1872



3.3898, 0.3080, 0.3079



2.7163, 0.2260, 0.1018



13.0191, 0.2211, 0.0991

Previews

White Background



This preview shows how the Yxy color 13.2627, 0.3356, 0.5263 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 13.2627, 0.3356, 0.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

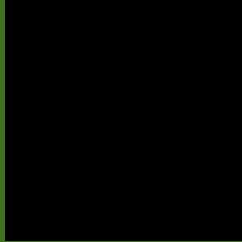
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2627, 0.3356, 0.5263

Background



This preview shows how black text looks on a background with the Yxy color 13.2627, 0.3356, 0.5263.



This preview shows how white text looks on a background with the Yxy color 13.2627, 0.3356, 0.5263.

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

13.2627, 0.3356, 0.5263

Protanopia

13.1689, 0.4231, 0.4677

Deuteranopia

13.0243, 0.4425, 0.4333



Tritanopia

13.1656, 0.2667, 0.3082

Trichromacy



Original Color

13.2627, 0.3356, 0.5263

Protanomaly

12.8886, 0.3886, 0.4905

Deuteranomaly

12.7709, 0.3998, 0.4694

Tritanomaly

13.0096, 0.2946, 0.3889

Monochromacy



Original Color

13.2627, 0.3356, 0.5263

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.1027, 0.3267, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2627, 0.3356, 0.5263 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(65, 114, 32)` looks like.

```
.text, #text, p{  
    color:rgb(65, 114, 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(65, 114, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 114, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.2627, 0.3356, 0.5263 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(65, 114, 32) }
```

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

```
.border{ border-color:rgb(65, 114, 32) }
```

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

Here you see how a box with a 4 pixel rgb(65, 114, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 114, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 114, 32);  
box-shadow:4px 4px 4px 4px rgb(65, 114,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2627, 0.3356, 0.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 114, 32) }
```

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

```
.background{ background-color: rgb(65, 114,  
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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