

Converting Colors

$Y_{xy}(29.2577, 0.3143, 0.4525)$

Have a look what the booklet for
Yxy(29.2577, 0.3143, 0.4525)
contains.

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Color

Yxy(29.1227, 0.3138, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	66A15E
RGB	102, 161, 94
RGB Percent	40%, 63%, 37%
CMY	0.6000, 0.3686, 0.6313
CMYK	0.37, 0.00, 0.42, 0.37
HSL	113°, 26%, 50%
HSV	113°, 42%, 63%
XYZ	20.2452, 29.1227, 15.1484
YIQ	135.7210, -13.6570, -33.3450

Conversions

Conversions Part 2

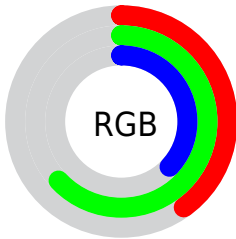
Format	Color
R_{YB}	94, 161, 153
Decimal	6725982
CIE _{Lab}	60.89, -32.82, 28.94
CIE _{LCh}	61, 43.751, 138.596
Yxy	29.1227, 0.3138, 0.4514
Android (android.graphics.Color)	4284916062 (0xFF66A15E)
YUV	135.7210, -20.5685, -29.5733
Hunter-Lab	53.9655, -27.4749, 21.1327

Details

The Yxy color **29.1227, 0.3138, 0.4514** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.3573, 0.3072, 0.2261**, and the grayscale version is **24.5939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1246, 0.3151, 0.4241**, and **11.8126, 0.3087, 0.5011** is the 20% darker color. If you saturate the color by 10%, you get **28.1054, 0.3131, 0.4855**, and if you desaturate by 10%, it is **30.3446, 0.3140, 0.4181**.

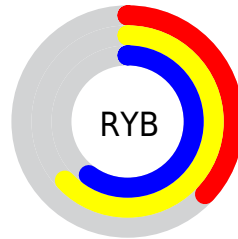
Distribution



Red (40%)

Green (63%)

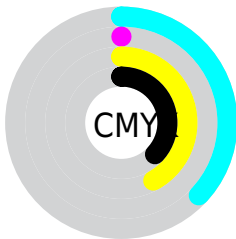
Blue (37%)



Red (37%)

Yellow (63%)

Blue (60%)

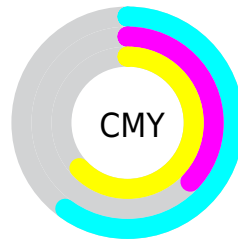


Cyan (37%)

Magenta (0%)

Yellow (42%)

Black (37%)



Cyan (60%)


Magenta (37%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1227, 0.3138, 0.4514 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 29.1227, 0.3138, 0.4514 by changing the saturation by 10% instead.

 29.1227, 0.3138,
0.4514


 29.1227, 0.3138,
0.4514


297.7935, 0.3155,
0.3819


 19.1737, 0.3121,
0.4719


 58.2720, 0.3152,
0.4239


 11.7958, 0.3090,
0.5002


 78.2410, 0.3155,
0.4143

 6.6048, 0.3025,
0.5415


 102.3188, 0.3156,
0.4064

 3.2162, 0.2916,
0.6139

 130.8898, 0.3157,
0.3999

 1.2456, 0.2168,
0.7832

164.3384, 0.3157,
0.3943

 0.0985, 0.0000,
1.0000

203.0489, 0.3156,

 0.0000, 0.0000,

0.3896

0.0000

247.4058, 0.3156,
0.3855

■ 29.1227, 0.3138,
0.4514

■ 29.1227, 0.3138,
0.4514

■ 28.1054, 0.3131,
0.4855

■ 30.3446, 0.3140,
0.4181

■ 27.2779, 0.3118,
0.5184

■ 31.7775, 0.3139,
0.3868

■ 26.6294, 0.3100,
0.5480


■ 33.4321, 0.3135,
0.3583

■ 26.1465, 0.3077,
0.5718

■ 35.3173, 0.3128,
0.3328

■ 25.8138, 0.3051,
0.5883


■ 37.4414, 0.3121,
0.3103

 25.6309, 0.3034,
0.5973

 39.8126, 0.3112,
0.2907

 42.4383, 0.3104,
0.2736

 45.3260, 0.3095,
0.2588

 48.4824, 0.3087,
0.2460

Harmonies

Analogous

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



29.1227, 0.3817, 0.4569



29.1227, 0.3138, 0.4514



29.1227, 0.2492, 0.3974

Triad

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



29.1227, 0.3138, 0.4514



29.1227, 0.1994, 0.2272



29.1227, 0.4320, 0.3191

Complementary

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



29.1227, 0.3138, 0.4514



17.3573, 0.3072, 0.2261

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.



29.1227, 0.3715, 0.2713



29.1227, 0.3138, 0.4514



29.1227, 0.2370, 0.2203

Square

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



29.1227, 0.3138, 0.4514



29.1227, 0.1883, 0.2606



29.1227, 0.2982, 0.2364



29.1227, 0.4549, 0.3723

Rectangle

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



29.1227, 0.3138, 0.4514



29.1227, 0.2167, 0.3469



29.1227, 0.2982, 0.2364



29.1227, 0.4150, 0.3022

Sweetspot

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



29.1239, 0.3138, 0.4514



59.6754, 0.3135, 0.3600



30.8657, 0.3783, 0.4176



13.0061, 0.3136, 0.3632



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.1239, 0.3138, 0.4514



50.4427, 0.3131, 0.4832



29.1934, 0.2881, 0.4070



7.9336, 0.3133, 0.3521



20.4800, 0.3037, 0.5971



0.4415, 0.3187, 0.5851

Inverse Universe

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



17.3573, 0.3072, 0.2261



26.4431, 0.3052, 0.2045



17.3768, 0.3504, 0.2627



7.1592, 0.3119, 0.3067



6.6475, 0.2916, 0.1380



0.1509, 0.3030, 0.1443

Previews

White Background



This preview shows how the Yxy color 29.1227, 0.3138, 0.4514 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 29.1227, 0.3138, 0.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

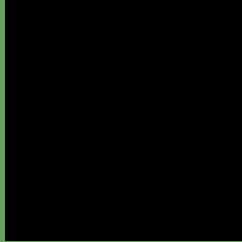
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1227, 0.3138, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 29.1227, 0.3138, 0.4514.



This preview shows how white text looks on a background with the Yxy color 29.1227, 0.3138, 0.4514.

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

29.1227, 0.3138, 0.4514

Protanopia

28.7359, 0.3865, 0.4186

Deuteranopia

28.7710, 0.3966, 0.3894



Tritanopia

29.1439, 0.2678, 0.3091

Trichromacy



Original Color

29.1227, 0.3138, 0.4514

Protanomaly

28.3604, 0.3579, 0.4308

Deuteranomaly

28.3388, 0.3630, 0.4121

Tritanomaly

28.9560, 0.2846, 0.3586

Monochromacy



Original Color

29.1227, 0.3138, 0.4514

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.9164, 0.3138, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1227, 0.3138, 0.4514 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(102, 161, 94)` looks like.

```
.text, #text, p{  
    color:rgb(102, 161, 94)  
}
```

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(102, 161, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 161, 94) }
```

Border

The CSS property to change the border of an element to Yxy 29.1227, 0.3138, 0.4514 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(102, 161, 94) }
```

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

```
.border{ border-color:rgb(102, 161, 94) }
```

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

Here you see how a box with a 4 pixel rgb(102, 161, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 161, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 161, 94);  
box-shadow:4px 4px 4px 4px rgb(102, 161,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1227, 0.3138, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 161, 94) }
```

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

```
.background{ background-color: rgb(102,  
161, 94) }
```

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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