

Converting Colors

$Y_{xy}(12.4159, 0.2856, 0.4565)$

Have a look what the booklet for
Yxy(12.4159, 0.2856, 0.4565)
contains.

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Color

Yxy(12.5279, 0.2862, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	2D7041
RGB	45, 112, 65
RGB Percent	18%, 44%, 25%
CMY	0.8233, 0.5608, 0.7451
CMYK	0.60, 0.00, 0.42, 0.56
HSL	138°, 43%, 31%
HSV	138°, 60%, 44%
XYZ	7.8320, 12.5279, 7.0056
YIQ	86.6090, -24.8450, -28.8210

Conversions

Conversions Part 2

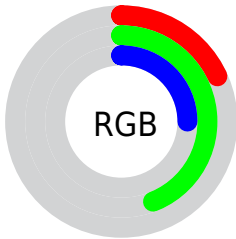
Format	Color
R _{YB}	45, 97, 112
Decimal	2977857
CIE Lab	42.04, -32.61, 19.93
CIE LCh	42, 38.218, 148.563
Yxy	12.5279, 0.2862, 0.4578
Android (android.graphics.Color)	4281167937 (0xFF2D7041)
YUV	86.6090, -10.6532, -36.4911
Hunter-Lab	35.3948, -22.4432, 13.0413




Details

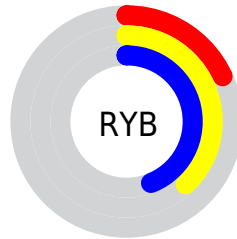
The Yxy color **12.5279, 0.2862, 0.4578** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.0988, 0.3611, 0.2304**, and the grayscale version is **9.4727, 0.3127, 0.3290**.




A 20% lighter version of the original color is **30.2846, 0.2950, 0.4217**, and **3.6092, 0.2802, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **12.2221, 0.2844, 0.4834**, and if you desaturate by 10%, it is **12.9149, 0.2892, 0.4324**.

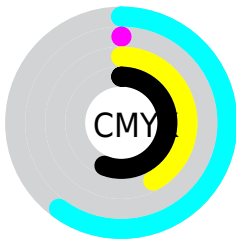
Distribution







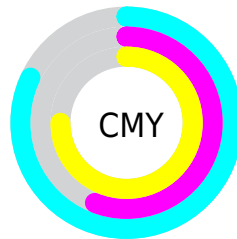
-  Red (18%)
-  Green (44%)
-  Blue (25%)






-  Red (18%)
-  Yellow (38%)
-  Blue (44%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (42%)
-  Black (56%)





-  Cyan (82%)
-  Magenta (56%)
-  Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5279, 0.2862, 0.4578 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 12.5279, 0.2862, 0.4578 by changing the saturation by 10% instead.


 12.5279, 0.2862,
0.4578


 12.5279, 0.2862,
0.4578

207.8695, 0.3047,
0.3752

 7.1043, 0.2779,
0.4889


 30.4530, 0.2950,
0.4214


 3.5274, 0.2633,
0.5388

 43.7232, 0.2975,
0.4099


 1.4129, 0.2426,
0.7275

 60.3778, 0.2995,
0.4009

 0.2262, 0.0000,
1.0000

 80.8011, 0.3010,
0.3937

 0.0000, 0.0000,
0.0000

 105.3775, 0.3022,
0.3878

 134.4915, 0.3032,

0.3829

168.5273, 0.3040,
0.3788

■ 12.5279, 0.2862,
0.4578

■ 12.5279, 0.2862,
0.4578

■ 12.2221, 0.2844,
0.4834

■ 12.9149, 0.2892,
0.4324

■ 11.9899, 0.2840,
0.5083

■ 13.3869, 0.2930,
0.4080

■ 11.8250, 0.2851,
0.5314

■ 13.9494, 0.2976,
0.3852

■ 11.7023, 0.2868,
0.5520

■ 14.6067, 0.3025,
0.3644

■ 11.6997, 0.2868,
0.5525

■ 15.3631, 0.3077,
0.3455

■ 16.2226, 0.3128,
0.3286

■ 17.1888, 0.3179,
0.3137

■ 18.2654, 0.3229,
0.3006

■ 19.4557, 0.3276,
0.2891

Harmonies

Analogous

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



12.5279, 0.3646, 0.4815



12.5279, 0.2862, 0.4578



12.5279, 0.2193, 0.3794

Triad

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



12.5279, 0.2862, 0.4578



12.5279, 0.1953, 0.2078



12.5279, 0.4651, 0.3354

Complementary

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



12.5279, 0.2862, 0.4578



6.0988, 0.3611, 0.2304

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.



12.5279, 0.4071, 0.2796



12.5279, 0.2862, 0.4578



12.5279, 0.2463, 0.2098

Square

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



12.5279, 0.2862, 0.4578



12.5279, 0.1732, 0.2337



12.5279, 0.3230, 0.2353



12.5279, 0.4728, 0.3953

Rectangle

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



12.5279, 0.2862, 0.4578



12.5279, 0.1899, 0.3194



12.5279, 0.3230, 0.2353



12.5279, 0.4507, 0.3160

Sweetspot

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



12.5284, 0.2862, 0.4578



25.8249, 0.3032, 0.3618



14.1063, 0.3652, 0.4776



6.1345, 0.3020, 0.3664



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.



12.5284, 0.2862, 0.4578



21.2894, 0.2841, 0.4938



13.0191, 0.2549, 0.3663



3.7781, 0.3081, 0.3441



13.5225, 0.2871, 0.5537



67.2261, 0.2897, 0.5630

Inverse Universe

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



6.0988, 0.3611, 0.2304



8.8355, 0.3773, 0.2141



5.6468, 0.4451, 0.2983



3.4374, 0.3177, 0.3143



4.6247, 0.4097, 0.2031



22.8805, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 12.5279, 0.2862, 0.4578 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 12.5279, 0.2862, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

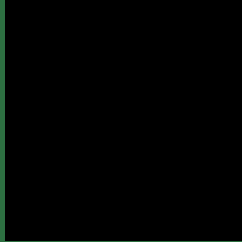
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5279, 0.2862, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 12.5279, 0.2862, 0.4578.



This preview shows how white text looks on a background with the Yxy color 12.5279, 0.2862, 0.4578.

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

12.5279, 0.2862, 0.4578

Protanopia

12.4381, 0.3824, 0.4150

Deuteranopia

12.4656, 0.3892, 0.3839



Tritanopia

12.4757, 0.2474, 0.3071

Trichromacy



Original Color

12.5279, 0.2862, 0.4578

Protanomaly

12.1797, 0.3398, 0.4327

Deuteranomaly

11.9489, 0.3428, 0.4091

Tritanomaly

12.3725, 0.2611, 0.3572

Monochromacy



Original Color

12.5279, 0.2862, 0.4578

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3080, 0.3003, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5279, 0.2862, 0.4578 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, 112, 65)` looks like.

```
.text, #text, p{  
    color:rgb(45, 112, 65)  
}
```

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, 112, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 112, 65) }
```

Border

The CSS property to change the border of an element to Yxy 12.5279, 0.2862, 0.4578 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, 112, 65) }
```

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

```
.border{ border-color:rgb(45, 112, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 112, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 112, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 112, 65);  
box-shadow:4px 4px 4px 4px rgb(45, 112,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5279, 0.2862, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 112, 65) }
```

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

```
.background{ background-color: rgb(45, 112,  
65) }
```

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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