

Converting Colors

$Y_{xy}(42.7269, 0.4668, 0.4258)$

Have a look what the booklet for
Yxy(42.7269, 0.4668, 0.4258)
contains.

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Color

Yxy(42.6791, 0.4668, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	E8A041
RGB	232, 160, 65
RGB Percent	91%, 63%, 25%
CMY	0.0903, 0.3725, 0.7450
CMYK	0.00, 0.31, 0.72, 0.09
HSL	34°, 78%, 58%
HSV	34°, 72%, 91%
XYZ	46.7996, 42.6791, 10.7776
YIQ	170.6980, 73.4070, -14.2810

Conversions

Conversions Part 2

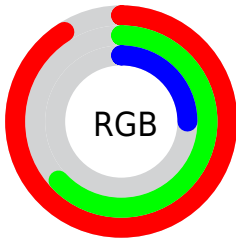
Format	Color
RYB	192, 232, 65
Decimal	15245377
CIELab	71.34, 18.37, 58.06
CIELCh	71, 60.902, 72.440
Yxy	42.6791, 0.4668, 0.4257
Android (android.graphics.Color)	4293435457 (0xFFE8A041)
YUV	170.6980, -52.1091, 53.7619
Hunter-Lab	65.3292, 13.5451, 35.9492

Details

The Yxy color **42.6791, 0.4668, 0.4257** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.8419, 0.1972, 0.1906**, and the grayscale version is **40.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1689, 0.4115, 0.4256**, and **19.5002, 0.5028, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **39.1358, 0.4895, 0.4295**, and if you desaturate by 10%, it is **46.6159, 0.4424, 0.4173**.

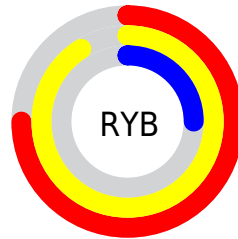
Distribution



Red (91%)

Green (63%)

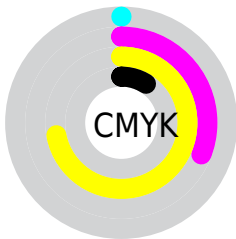
Blue (25%)



Red (75%)

Yellow (91%)

Blue (25%)

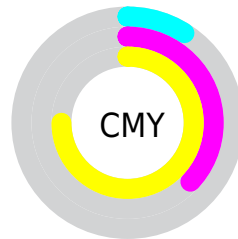


Cyan (0%)

Magenta (31%)

Yellow (72%)

Black (9%)



Cyan (9%)


Magenta (37%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6791, 0.4668, 0.4257 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 42.6791, 0.4668, 0.4257 by changing the saturation by 10% instead.


 42.6791, 0.4668,
0.4257


 42.6791, 0.4668,
0.4257


357.2904, 0.3926,
0.3847

 29.6334, 0.4828,
0.4325


 79.2264, 0.4414,
0.4132


 19.5605, 0.5015,
0.4389


 103.4968, 0.4313,
0.4077

 12.0760, 0.5227,
0.4434


 132.2775, 0.4226,
0.4028

 6.7954, 0.5518,
0.4482

 165.9530, 0.4150,
0.3984

 3.3345, 0.5680,
0.4320

 204.9077, 0.4084,
0.3944

 1.3088, 0.5948,
0.4052

249.5258, 0.4025,

 0.1480, 0.7993,

0.3909

0.2007

300.1920, 0.3973,
0.3876

■ 0.0000, 0.0000,
0.0000

■ 42.6791, 0.4668,
0.4257

■ 42.6791, 0.4668,
0.4257

■ 39.1358, 0.4895,
0.4295

■ 46.6159, 0.4424,
0.4173

■ 35.9587, 0.5091,
0.4280


■ 50.9582, 0.4176,
0.4055

■ 33.6492, 0.5224,
0.4234


■ 55.7247, 0.3937,
0.3915


■ 60.9306, 0.3712,
0.3764

■ 66.5903, 0.3506,
0.3611

 72.7171, 0.3321,
0.3460

 79.3238, 0.3157,
0.3317

 86.4226, 0.3012,
0.3183

 92.7530, 0.2987,
0.3240

Harmonies

Analogous

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



42.6791, 0.4845, 0.3634



42.6791, 0.4668, 0.4257



42.6791, 0.4078, 0.4772

Triad

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



42.6791, 0.4668, 0.4257



42.6791, 0.1913, 0.3371



42.6791, 0.2771, 0.2136

Complementary

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



42.6791, 0.4668, 0.4257



24.8419, 0.1972, 0.1906

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.



42.6791, 0.2103, 0.1996



42.6791, 0.4668, 0.4257



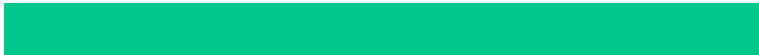
42.6791, 0.1666, 0.2567

Square

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



42.6791, 0.4668, 0.4257



42.6791, 0.2487, 0.4325



42.6791, 0.1735, 0.2121



42.6791, 0.3654, 0.2500

Rectangle

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



42.6791, 0.4668, 0.4257



42.6791, 0.3557, 0.4914



42.6791, 0.1735, 0.2121



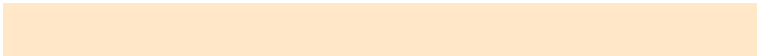
42.6791, 0.2517, 0.2063

Sweetspot

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



42.6813, 0.4668, 0.4257



82.4282, 0.3509, 0.3613



22.7543, 0.4483, 0.2569



17.2221, 0.3563, 0.3655



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6813, 0.4668, 0.4257



46.6889, 0.4987, 0.4295



73.4322, 0.3997, 0.4927



15.7222, 0.3278, 0.3424



18.9394, 0.5203, 0.4251



1.5833, 0.5016, 0.4400

Inverse Universe

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



24.8419, 0.1972, 0.1906



23.6174, 0.1808, 0.1594



11.1533, 0.1800, 0.1032



14.9038, 0.2981, 0.3153



8.5348, 0.1711, 0.1360



0.8123, 0.1790, 0.1645

Previews

White Background



This preview shows how the Yxy color 42.6791, 0.4668, 0.4257 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 42.6791, 0.4668, 0.4257 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 42.6791, 0.4668, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 42.6791, 0.4668, 0.4257.



This preview shows how white text looks on a background with the Yxy color 42.6791, 0.4668, 0.4257.

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

42.6791, 0.4668, 0.4257

Protanopia

42.6917, 0.4165, 0.4570

Deuteranopia

42.5367, 0.4497, 0.4403



Tritanopia

42.5630, 0.3916, 0.3169

Trichromacy



Original Color

42.6791, 0.4668, 0.4257

Protanomaly

42.5767, 0.4338, 0.4458

Deuteranomaly

42.6091, 0.4556, 0.4349

Tritanomaly

42.4504, 0.4242, 0.3608

Monochromacy



Original Color

42.6791, 0.4668, 0.4257

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6408, 0.3695, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6791, 0.4668, 0.4257 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(232, 160, 65)` looks like.

```
.text, #text, p{  
    color:rgb(232, 160, 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(232, 160, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 160, 65) }
```

Border

The CSS property to change the border of an element to Yxy 42.6791, 0.4668, 0.4257 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(232, 160, 65) }
```

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

```
.border{ border-color:rgb(232, 160, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 160, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 160, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 160, 65);  
box-shadow:4px 4px 4px 4px rgb(232, 160,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6791, 0.4668, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 160, 65) }
```

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

```
.background{ background-color: rgb(232,  
160, 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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