

Converting Colors

$Yxy(42.1647, 0.4538, 0.4262)$

Have a look what the booklet for
Yxy(42.1647, 0.4538, 0.4262)
contains.

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Color

Yxy(42.1558, 0.4533, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	E0A248
RGB	224, 162, 72
RGB Percent	88%, 64%, 28%
CMY	0.1217, 0.3646, 0.7176
CMYK	0.00, 0.28, 0.68, 0.12
HSL	36°, 71%, 58%
HSV	36°, 68%, 88%
XYZ	44.8258, 42.1558, 11.9061
YIQ	170.2780, 65.8420, -14.8460

Conversions

Conversions Part 2

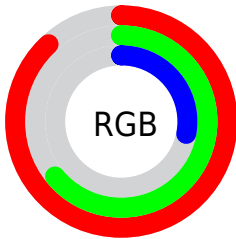
Format	Color
RYB	177, 224, 72
Decimal	14721608
CIELab	70.98, 14.29, 54.32
CIELCh	71, 56.172, 75.264
Yxy	42.1558, 0.4533, 0.4263
Android (android.graphics.Color)	4292911688 (0xFFE0A248)
YUV	170.2780, -48.4511, 47.1142
Hunter-Lab	64.9275, 9.6128, 34.5770

Details

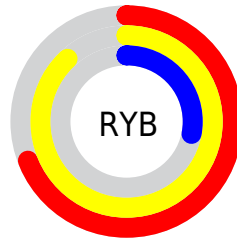
The Yxy color **42.1558, 0.4533, 0.4263** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.8007, 0.2016, 0.1947**, and the grayscale version is **40.5675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3409, 0.4066, 0.4221**, and **19.1917, 0.4872, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **38.8150, 0.4757, 0.4327**, and if you desaturate by 10%, it is **45.8409, 0.4296, 0.4158**.

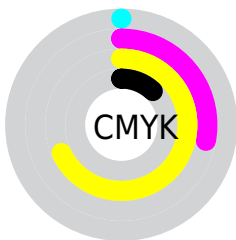
Distribution



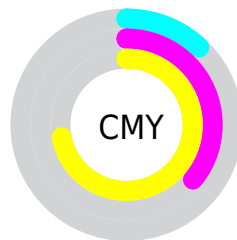
- Red (88%)
- Green (64%)
- Blue (28%)



- Red (69%)
- Yellow (88%)
- Blue (28%)



- Cyan (0%)
- Magenta (28%)
- Yellow (68%)
- Black (12%)





- Cyan (12%)
- Magenta (36%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1558, 0.4533, 0.4263 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 42.1558, 0.4533, 0.4263 by changing the saturation by 10% instead.


 42.1558, 0.4533,
0.4263


 42.1558, 0.4533,
0.4263


355.1284, 0.3851,
0.3832


 29.2233, 0.4683,
0.4342


 78.4354, 0.4297,
0.4126


 19.2498, 0.4861,
0.4424


 102.5512, 0.4204,
0.4068

 11.8509, 0.5065,
0.4497


 131.1637, 0.4125,
0.4017

 6.6423, 0.5384,
0.4616

 164.6571, 0.4055,
0.3971

 3.2394, 0.5515,
0.4485

 203.4159, 0.3994,
0.3930

 1.2580, 0.5737,
0.4263

247.8244, 0.3941,

 0.1083, 0.8066,

0.3894

0.1934

298.2671, 0.3893,
0.3862

0.0000, 0.0000,
0.0000

42.1558, 0.4533,
0.4263

42.1558, 0.4533,
0.4263

38.8150, 0.4757,
0.4327

45.8409, 0.4296,
0.4158

35.7951, 0.4956,
0.4340

49.8792, 0.4059,
0.4025

33.0761, 0.5120,
0.4301

54.2866, 0.3832,
0.3874

32.5248, 0.5154,
0.4290

59.0757, 0.3619,
0.3716

64.2586, 0.3425,
0.3558

■ 69.8465, 0.3251,
0.3405

■ 75.8501, 0.3095,
0.3260

■ 82.2796, 0.2958,
0.3124

■ 87.8891, 0.2938,
0.3180

Harmonies

Analogous

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



42.1558, 0.4730, 0.3684



42.1558, 0.4533, 0.4263



42.1558, 0.3962, 0.4704

Triad

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



42.1558, 0.4533, 0.4263



42.1558, 0.1958, 0.3291



42.1558, 0.2871, 0.2230

Complementary

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



42.1558, 0.4533, 0.4263



23.8007, 0.2016, 0.1947

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.



42.1558, 0.2217, 0.2077



42.1558, 0.4533, 0.4263



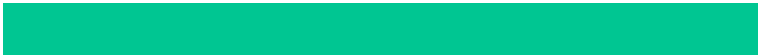
42.1558, 0.1749, 0.2571

Square

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



42.1558, 0.4533, 0.4263



42.1558, 0.2476, 0.4166



42.1558, 0.1840, 0.2175



42.1558, 0.3698, 0.2593

Rectangle

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



42.1558, 0.4533, 0.4263



42.1558, 0.3469, 0.4788



42.1558, 0.1840, 0.2175



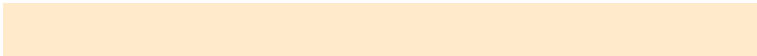
42.1558, 0.2625, 0.2153

Sweetspot

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



42.1579, 0.4533, 0.4263



84.5825, 0.3468, 0.3594



22.2381, 0.4403, 0.2615



17.6785, 0.3522, 0.3639



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.



42.1579, 0.4533, 0.4263



50.5212, 0.4835, 0.4338



67.6629, 0.3948, 0.4877



15.0433, 0.3277, 0.3429



19.1672, 0.5135, 0.4305



1.5033, 0.4951, 0.4451

Inverse Universe

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



23.8007, 0.2016, 0.1947



24.5433, 0.1841, 0.1636



11.9324, 0.1888, 0.1156



14.1564, 0.2981, 0.3147



7.7338, 0.1692, 0.1292



0.7088, 0.1777, 0.1597

Previews

White Background



This preview shows how the Yxy color 42.1558, 0.4533, 0.4263 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 42.1558, 0.4533, 0.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

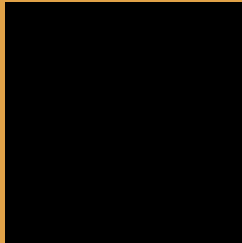
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1558, 0.4533, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 42.1558, 0.4533, 0.4263.



This preview shows how white text looks on a background with the Yxy color 42.1558, 0.4533, 0.4263.

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

42.1558, 0.4533, 0.4263

Protanopia

42.1314, 0.4110, 0.4506

Deuteranopia

41.9641, 0.4439, 0.4341



Tritanopia

41.9598, 0.3799, 0.3153

Trichromacy



Original Color

42.1558, 0.4533, 0.4263

Protanomaly

42.0948, 0.4255, 0.4418

Deuteranomaly

42.0659, 0.4476, 0.4316

Tritanomaly

41.9096, 0.4104, 0.3584

Monochromacy



Original Color

42.1558, 0.4533, 0.4263

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3058, 0.3647, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1558, 0.4533, 0.4263 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(224, 162, 72)` looks like.

```
.text, #text, p{  
    color:rgb(224, 162, 72)  
}
```

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(224, 162, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 162, 72) }
```

Border

The CSS property to change the border of an element to Yxy 42.1558, 0.4533, 0.4263 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(224, 162, 72) }
```

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

```
.border{ border-color:rgb(224, 162, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 162, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 162, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 162, 72);  
box-shadow:4px 4px 4px 4px rgb(224, 162,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1558, 0.4533, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 162, 72) }
```

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

```
.background{ background-color: rgb(224,  
162, 72) }
```

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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