

Converting Colors

$Y_{xy}(28.7329, 0.4655, 0.4317)$

Have a look what the booklet for
Yxy(28.7329, 0.4655, 0.4317)
contains.

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Color

$\text{Yxy}(28.7562, 0.4653, 0.4322)$

Conversions

Conversions Part 1

Format	Color
Hex	C08731
RGB	192, 135, 49
RGB Percent	75%, 53%, 19%
CMY	0.2470, 0.4706, 0.8080
CMYK	0.00, 0.30, 0.75, 0.25
HSL	36°, 59%, 47%
HSV	36°, 75%, 75%
XYZ	30.9585, 28.7562, 6.8198
YIQ	142.2390, 61.5780, -14.6620

Conversions

Conversions Part 2

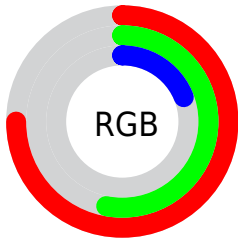
Format	Color
R_{YB}	144, 192, 49
Decimal	12617521
CIE Lab	60.57, 13.99, 52.58
CIE LCh	61, 54.414, 75.096
Yxy	28.7562, 0.4653, 0.4322
Android (android.graphics.Color)	4290807601 (0xFFC08731)
YUV	142.2390, -45.9668, 43.6404
Hunter-Lab	53.6248, 9.2076, 29.9971

Details

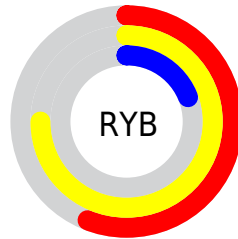
The Yxy color **28.7562, 0.4653, 0.4322** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.7608, 0.1929, 0.1787**, and the grayscale version is **27.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5820, 0.4379, 0.4173**, and **11.5653, 0.4995, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **26.5694, 0.4857, 0.4359**, and if you desaturate by 10%, it is **31.1684, 0.4429, 0.4239**.

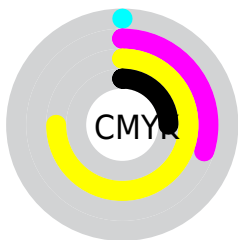
Distribution



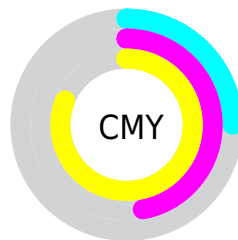
- Red (75%)
- Green (53%)
- Blue (19%)



- Red (56%)
- Yellow (75%)
- Blue (19%)



- Cyan (0%)
- Magenta (30%)
- Yellow (75%)
- Black (25%)





- Cyan (25%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7562, 0.4653, 0.4322 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 28.7562, 0.4653, 0.4322 by changing the saturation by 10% instead.


 28.7562, 0.4653,
0.4322


 28.7562, 0.4653,
0.4322


296.0629, 0.3873,
0.3845


 18.8965, 0.4831,
0.4406


 57.6895, 0.4376,
0.4170


 11.5955, 0.5038,
0.4484

 77.5319, 0.4269,
0.4105

 6.4689, 0.5375,
0.4620


 101.4706, 0.4178,
0.4048

 3.1322, 0.5509,
0.4491

 129.8900, 0.4099,
0.3997

 1.2012, 0.5732,
0.4268

 163.1746, 0.4031,
0.3953

 0.0626, 0.8649,
0.1351

 201.7086, 0.3972,

 0.0000, 0.0000,

0.3913

0.0000

245.8766, 0.3919,
0.3877

■ 28.7562, 0.4653,
0.4322

■ 28.7562, 0.4653,
0.4322

■ 26.5694, 0.4857,
0.4359

■ 31.1684, 0.4429,
0.4239

■ 24.5911, 0.5030,
0.4343

■ 33.8126, 0.4196,
0.4121

■ 23.5812, 0.5116,
0.4320

■ 36.7000, 0.3967,
0.3979

■ 39.8396, 0.3749,
0.3824

■ 43.2397, 0.3546,
0.3664

■ 46.9081, 0.3362,
0.3507

■ 50.8522, 0.3196,
0.3356

■ 55.0791, 0.3048,
0.3213

■ 59.5955, 0.2917,
0.3079

Harmonies

Analogous

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



28.7562, 0.4882, 0.3691



28.7562, 0.4653, 0.4322



28.7562, 0.4024, 0.4829

Triad

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



28.7562, 0.4653, 0.4322



28.7562, 0.1856, 0.3286



28.7562, 0.2837, 0.2143

Complementary

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



28.7562, 0.4653, 0.4322



14.7608, 0.1929, 0.1787

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.



28.7562, 0.2134, 0.1979



28.7562, 0.4653, 0.4322



28.7562, 0.1638, 0.2498

Square

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



28.7562, 0.4653, 0.4322



28.7562, 0.2410, 0.4269



28.7562, 0.1735, 0.2078



28.7562, 0.3745, 0.2529

Rectangle

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



28.7562, 0.4653, 0.4322



28.7562, 0.3487, 0.4946



28.7562, 0.1735, 0.2078



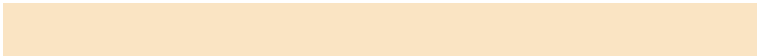
28.7562, 0.2571, 0.2061

Sweetspot

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



28.7576, 0.4653, 0.4322



79.7228, 0.3505, 0.3630



14.4458, 0.4625, 0.2625



16.7259, 0.3557, 0.3674



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.7576, 0.4653, 0.4322



45.9675, 0.4964, 0.4356



47.3570, 0.3964, 0.4979



11.0628, 0.3274, 0.3428



16.0208, 0.5101, 0.4332



0.8240, 0.4847, 0.4533

Inverse Universe

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



14.7608, 0.1929, 0.1787



19.6562, 0.1756, 0.1440



7.0651, 0.1803, 0.1005



10.3920, 0.2984, 0.3148



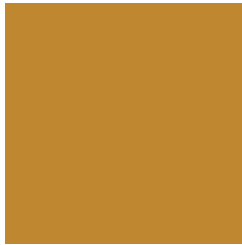
6.2306, 0.1688, 0.1277



0.4039, 0.1814, 0.1732

Previews

White Background



This preview shows how the Yxy color 28.7562, 0.4653, 0.4322 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 28.7562, 0.4653, 0.4322 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 28.7562, 0.4653, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 28.7562, 0.4653, 0.4322.



This preview shows how white text looks on a background with the Yxy color 28.7562, 0.4653, 0.4322.

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

28.7562, 0.4653, 0.4322

Protanopia

29.0079, 0.4196, 0.4617

Deuteranopia

28.7459, 0.4518, 0.4433



Tritanopia

28.5696, 0.3861, 0.3158

Trichromacy



Original Color

28.7562, 0.4653, 0.4322

Protanomaly

28.8826, 0.4356, 0.4513

Deuteranomaly

28.8295, 0.4561, 0.4402

Tritanomaly

28.3021, 0.4213, 0.3629

Monochromacy



Original Color

28.7562, 0.4653, 0.4322

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0215, 0.3699, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7562, 0.4653, 0.4322 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(192, 135, 49)` looks like.

```
.text, #text, p{  
    color:rgb(192, 135, 49)  
}
```

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(192, 135, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 135, 49) }
```

Border

The CSS property to change the border of an element to Yxy 28.7562, 0.4653, 0.4322 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(192, 135, 49) }
```

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

```
.border{ border-color:rgb(192, 135, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 135, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 135, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 135, 49);  
box-shadow:4px 4px 4px 4px rgb(192, 135,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7562, 0.4653, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 135, 49) }
```

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

```
.background{ background-color: rgb(192,  
135, 49) }
```

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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