

Converting Colors

$Y_{xy}(27.7090, 0.4879, 0.4508)$

Have a look what the booklet for
Yxy(27.7090, 0.4879, 0.4508)
contains.

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Color

Yxy(27.7090, 0.4879, 0.4508)

Conversions

Conversions Part 1

Format	Color
Hex	C08400
RGB	192, 132, 0
RGB Percent	75%, 52%, 0%
CMY	0.2471, 0.4823, 0.9999
CMYK	0.00, 0.31, 1.00, 0.25
HSL	41°, 100%, 38%
HSV	41°, 100%, 75%
XYZ	29.9894, 27.7090, 3.7679
YIQ	134.8920, 78.1320, -28.3320

Conversions

Conversions Part 2

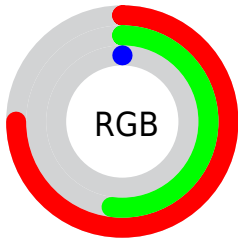
Format	Color
R_{YB}	87, 192, 0
Decimal	12616704
CIE _{Lab}	59.62, 14.42, 65.21
CIE _{LCh}	60, 66.789, 77.529
Yxy	27.7090, 0.4879, 0.4508
Android (android.graphics.Color)	4290806784 (0xFFC08400)
YUV	134.8920, -66.5018, 50.0837
Hunter-Lab	52.6393, 9.5752, 32.6036

Details

The Yxy color **27.7090, 0.4879, 0.4508** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.0383, 0.1618, 0.1023**, and the grayscale version is **24.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0228, 0.4589, 0.4360**, and **11.1731, 0.5021, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **27.7092, 0.4879, 0.4508**, and if you desaturate by 10%, it is **29.4326, 0.4757, 0.4524**.

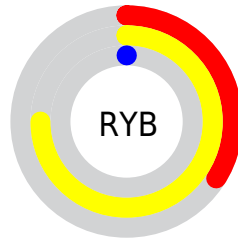
Distribution



Red (75%)

Green (52%)

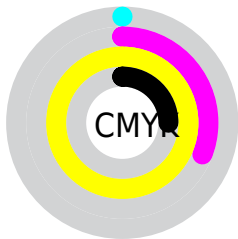
Blue (0%)



Red (34%)

Yellow (75%)

Blue (0%)

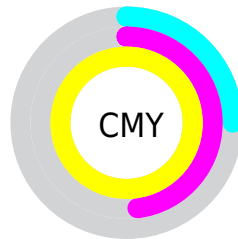


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7090, 0.4879, 0.4508 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 27.7090, 0.4879, 0.4508 by changing the saturation by 10% instead.


 27.7090, 0.4879,
0.4508


 27.7090, 0.4879,
0.4508


291.0738, 0.4022,
0.3985


 18.1064, 0.5047,
0.4574


 56.0195, 0.4593,
0.4359

 11.0264, 0.5262,
0.4646


 75.4962, 0.4476,
0.4289


 6.0846, 0.5403,
0.4597


 99.0331, 0.4374,
0.4225

 2.8966, 0.5544,
0.4456

 127.0145, 0.4285,
0.4166

 1.0780, 0.5787,
0.4213

 159.8249, 0.4207,
0.4114

 0.0000, 1.0000,
0.0000


 197.8487, 0.4138,


 0.0000, 0.0000,


0.4066


0.0000


 241.4702, 0.4076,
0.4024


 27.7090, 0.4879,
0.4508


 27.7090, 0.4879,
0.4508

 27.7092, 0.4879,
0.4508

 29.4326, 0.4757,
0.4524

 31.2970, 0.4609,
0.4498

 33.3221, 0.4433,
0.4423

 35.5180, 0.4239,
0.4306

 37.8933, 0.4036,
0.4159

■ 40.4558, 0.3833,
0.3992

■ 43.2127, 0.3637,
0.3814

■ 46.1705, 0.3453,
0.3634

■ 49.3354, 0.3282,
0.3458

Harmonies

Analogous

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



27.7090, 0.5262, 0.3753



27.7090, 0.4879, 0.4508



27.7090, 0.4066, 0.5179

Triad

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



27.7090, 0.4879, 0.4508



27.7090, 0.1562, 0.3155



27.7090, 0.2840, 0.1959

Complementary

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



27.7090, 0.4879, 0.4508



7.0383, 0.1618, 0.1023

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.



27.7090, 0.1986, 0.1746



27.7090, 0.4879, 0.4508



27.7090, 0.1365, 0.2244

Square

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



27.7090, 0.4879, 0.4508



27.7090, 0.2160, 0.4439



27.7090, 0.1507, 0.1816



27.7090, 0.3973, 0.2419

Rectangle

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



27.7090, 0.4879, 0.4508



27.7090, 0.3416, 0.5362



27.7090, 0.1507, 0.1816



27.7090, 0.2514, 0.1859

Sweetspot

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



27.7104, 0.4879, 0.4508



78.0481, 0.3646, 0.3823



11.5415, 0.5709, 0.2919



16.2806, 0.3729, 0.3899



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.



27.7104, 0.4879, 0.4508



49.7380, 0.4892, 0.4497



44.8469, 0.3872, 0.5308



11.2101, 0.3272, 0.3448



18.7897, 0.4868, 0.4517



0.9303, 0.4683, 0.4663

Inverse Universe

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



7.0383, 0.1618, 0.1023



12.3575, 0.1610, 0.0996



4.1670, 0.1583, 0.0646



10.2501, 0.2984, 0.3127



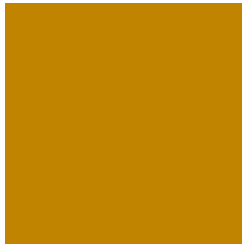
4.8593, 0.1624, 0.1045



0.3355, 0.1754, 0.1512

Previews

White Background



This preview shows how the Yxy color 27.7090, 0.4879, 0.4508 looks on a white background.

Color Contrast Check

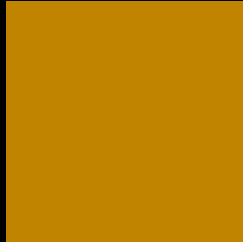
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7090, 0.4879, 0.4508 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 27.7090, 0.4879, 0.4508

Background



This preview shows how black text looks on a background with the Yxy color 27.7090, 0.4879, 0.4508.



This preview shows how white text looks on a background with the Yxy color 27.7090, 0.4879, 0.4508.

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

27.7090, 0.4879, 0.4508

Protanopia

27.7596, 0.4389, 0.4846

Deuteranopia

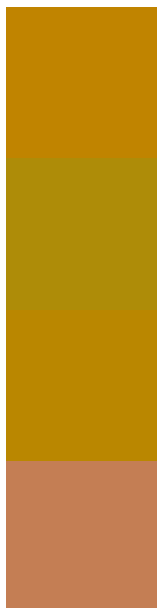
27.8364, 0.4709, 0.4643



Tritanopia

27.8376, 0.3935, 0.3172

Trichromacy



Original Color

27.7090, 0.4879, 0.4508

Protanomaly

27.7724, 0.4569, 0.4721

Deuteranomaly

27.7670, 0.4778, 0.4588

Tritanomaly

27.2976, 0.4476, 0.3839

Monochromacy



Original Color

27.7090, 0.4879, 0.4508

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.7900, 0.3918, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7090, 0.4879, 0.4508 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, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 132, 0)  
}
```

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, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 132, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7090, 0.4879, 0.4508 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, 132, 0) }
```

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

```
.border{ border-color:rgb(192, 132, 0) }
```

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

Here you see how a box with a 4 pixel rgb(192, 132, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 132,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7090, 0.4879, 0.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 132, 0) }
```

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

```
.background{ background-color: rgb(192,  
132, 0) }
```

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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