

Converting Colors

$Y_{xy}(22.7413, 0.5158, 0.4286)$

Have a look what the booklet for
Yxy(22.7413, 0.5158, 0.4286)
contains.

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Color

$\text{Yxy}(22.6647, 0.5159, 0.4286)$

Conversions

Conversions Part 1

Format	Color
Hex	BF7000
RGB	191, 112, 0
RGB Percent	75%, 44%, 0%
CMY	0.2510, 0.5608, 1.0000
CMYK	0.00, 0.41, 1.00, 0.25
HSL	35°, 100%, 37%
HSV	35°, 100%, 75%
XYZ	27.2812, 22.6647, 2.9349
YIQ	122.8530, 83.0360, -18.0840

Conversions

Conversions Part 2

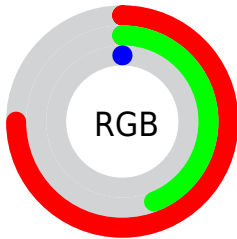
Format	Color
RYB	135, 191, 0
Decimal	12546048
CIELab	54.73, 24.97, 61.97
CIELCh	55, 66.815, 68.054
Yxy	22.6647, 0.5159, 0.4286
Android (android.graphics.Color)	4290736128 (0xFFBF7000)
YUV	122.8530, -60.5665, 59.7649
Hunter-Lab	47.6075, 18.9754, 29.6701

Details

The Yxy color **22.6647, 0.5159, 0.4286** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.3546, 0.1694, 0.1299**, and the grayscale version is **19.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8269, 0.4800, 0.4192**, and **8.3803, 0.5420, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **22.6660, 0.5159, 0.4286**, and if you desaturate by 10%, it is **24.5341, 0.4992, 0.4326**.

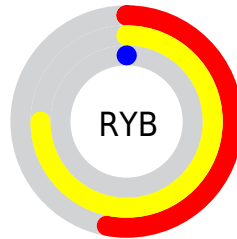
Distribution



Red (75%)

Green (44%)

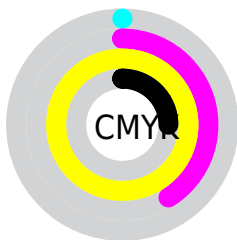
Blue (0%)



Red (53%)

Yellow (75%)

Blue (0%)

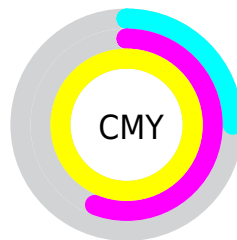


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6647, 0.5159, 0.4286 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 22.6647, 0.5159, 0.4286 by changing the saturation by 10% instead.


 22.6647, 0.5159,
0.4286


 22.6647, 0.5159,
0.4286


265.9981, 0.4118,
0.3896


 14.3461, 0.5377,
0.4304


 47.8422, 0.4800,
0.4194


 8.3618, 0.5680,
0.4320


 65.4699, 0.4657,
0.4143


 4.3273, 0.5862,
0.4138

 86.9694, 0.4534,
0.4093

 1.8583, 0.6148,
0.3852

 112.7251, 0.4427,
0.4047

 0.5231, 0.6846,
0.3154

 143.1215, 0.4334,
0.4004

 0.0000, 1.0000,
0.0000

 178.5428, 0.4253,

 0.0000, 0.0000,

0.3965

0.0000

219.3736, 0.4182,
0.3929

22.6647, 0.5159,
0.4286

22.6647, 0.5159,
0.4286

22.6660, 0.5159,
0.4286

24.5341, 0.4992,
0.4326

26.6055, 0.4797,
0.4321

28.9006, 0.4575,
0.4266

31.4315, 0.4339,
0.4168

34.2087, 0.4102,
0.4041

■ 37.2418, 0.3873,
0.3895

■ 40.5398, 0.3658,
0.3741

■ 44.1110, 0.3462,
0.3586

■ 47.9632, 0.3285,
0.3434

Harmonies

Analogous

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



22.6647, 0.5379, 0.3510



22.6647, 0.5159, 0.4286



22.6647, 0.4394, 0.5077

Triad

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



22.6647, 0.5159, 0.4286



22.6647, 0.1620, 0.3552



22.6647, 0.2489, 0.1791

Complementary

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



22.6647, 0.5159, 0.4286



9.3546, 0.1694, 0.1299

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.



22.6647, 0.1724, 0.1656



22.6647, 0.5159, 0.4286



22.6647, 0.1299, 0.2412

Square

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



22.6647, 0.5159, 0.4286



22.6647, 0.2370, 0.4930



22.6647, 0.1344, 0.1828



22.6647, 0.3631, 0.2193

Rectangle

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



22.6647, 0.5159, 0.4286



22.6647, 0.3736, 0.5447



22.6647, 0.1344, 0.1828



22.6647, 0.2188, 0.1715

Sweetspot

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



22.6660, 0.5159, 0.4286



72.3096, 0.3668, 0.3748



11.6504, 0.5315, 0.2702



15.3141, 0.3758, 0.3815



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.



22.6660, 0.5159, 0.4286



40.1008, 0.5178, 0.4271



46.3891, 0.4048, 0.5168



10.4408, 0.3274, 0.3424



15.0564, 0.5142, 0.4299



0.7159, 0.4857, 0.4525

Inverse Universe

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



9.3546, 0.1694, 0.1299



16.3009, 0.1687, 0.1271



3.8713, 0.1526, 0.0614



9.8562, 0.2984, 0.3152



6.2981, 0.1701, 0.1324



0.3760, 0.1836, 0.1809

Previews

White Background



This preview shows how the Yxy color 22.6647, 0.5159, 0.4286 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 22.6647, 0.5159, 0.4286 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 22.6647, 0.5159, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 22.6647, 0.5159, 0.4286.



This preview shows how white text looks on a background with the Yxy color 22.6647, 0.5159, 0.4286.

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

22.6647, 0.5159, 0.4286

Protanopia

22.8329, 0.4358, 0.4842

Deuteranopia

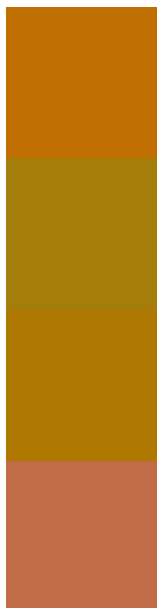
22.7742, 0.4705, 0.4646



Tritanopia

22.6726, 0.4269, 0.3186

Trichromacy



Original Color

22.6647, 0.5159, 0.4286

Protanomaly

22.5817, 0.4658, 0.4634

Deuteranomaly

22.5469, 0.4878, 0.4509

Tritanomaly

22.4397, 0.4785, 0.3748

Monochromacy



Original Color

22.6647, 0.5159, 0.4286

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0396, 0.4018, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6647, 0.5159, 0.4286 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(191, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 112, 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(191, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6647, 0.5159, 0.4286 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(191, 112, 0) }
```

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

```
.border{ border-color:rgb(191, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6647, 0.5159, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 112, 0) }
```

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

```
.background{ background-color: rgb(191,  
112, 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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