

Converting Colors

$Y_{xy}(22.7699, 0.4223, 0.4773)$

Have a look what the booklet for
Yxy(22.7699, 0.4223, 0.4773)
contains.

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Color

Yxy(22.8142, 0.4222, 0.4777)

Conversions

Conversions Part 1

Format	Color
Hex	908521
RGB	144, 133, 33
RGB Percent	56%, 52%, 13%
CMY	0.4353, 0.4784, 0.8705
CMYK	0.00, 0.08, 0.77, 0.44
HSL	54°, 63%, 35%
HSV	54°, 77%, 56%
XYZ	20.1636, 22.8142, 4.7806
YIQ	124.8890, 38.6560, -28.7680

Conversions

Conversions Part 2

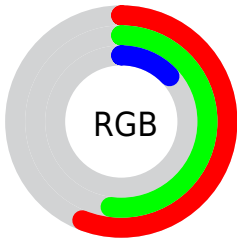
Format	Color
R_{YB}	45, 144, 33
Decimal	9471265
CIE Lab	54.88, -7.32, 51.65
CIE LCh	55, 52.166, 98.061
Yxy	22.8142, 0.4222, 0.4777
Android (android.graphics.Color)	4287661345 (0xFF908521)
YUV	124.8890, -45.3013, 16.7603
Hunter-Lab	47.7642, -8.2338, 27.5007

Details

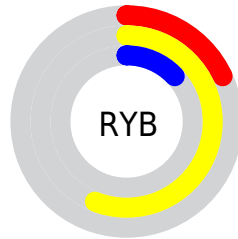
The Yxy color **22.8142, 0.4222, 0.4777** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.1393, 0.1748, 0.1103**, and the grayscale version is **20.6156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2072, 0.4036, 0.4490**, and **8.5143, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **22.3631, 0.4302, 0.4857**, and if you desaturate by 10%, it is **23.3073, 0.4116, 0.4656**.

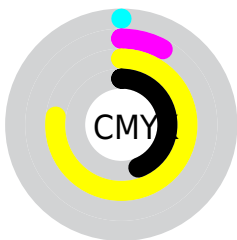
Distribution



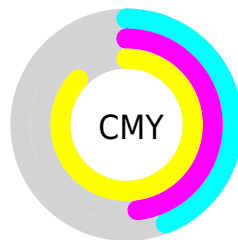
- Red (56%)
- Green (52%)
- Blue (13%)



- Red (18%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (8%)
- Yellow (77%)
- Black (44%)



- Cyan (44%)
- Magenta (48%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8142, 0.4222, 0.4777 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 22.8142, 0.4222, 0.4777 by changing the saturation by 10% instead.

22.8142, 0.4222,
0.4777

22.8142, 0.4222,
0.4777

266.7692, 0.3672,
0.3988

14.4564, 0.4332,
0.4961

48.0881, 0.4035,
0.4492

8.4388, 0.4451,
0.5185

65.7729, 0.3959,
0.4383

4.3770, 0.4556,
0.5444

87.3355, 0.3894,
0.4290

1.8866, 0.4451,
0.5549

113.1603, 0.3837,
0.4212

0.5403, 0.3827,
0.6173

143.6317, 0.3787,
0.4144

0.0000, 0.0000,
0.0000

179.1340, 0.3744,

0.4085

220.0518, 0.3706,
0.4033

■ 22.8142, 0.4222,
0.4777

■ 22.8142, 0.4222,
0.4777

■ 22.3631, 0.4302,
0.4857

■ 23.3073, 0.4116,
0.4656

■ 21.9440, 0.4359,
0.4898

■ 23.8430, 0.3990,
0.4498

■ 21.8237, 0.4374,
0.4909

■ 24.4260, 0.3847,
0.4310

■ 25.0592, 0.3694,
0.4103

■ 25.7454, 0.3537,
0.3883

■ 26.4872, 0.3381,
0.3661

■ 27.2869, 0.3230,
0.3441

■ 28.1467, 0.3086,
0.3229

■ 29.0688, 0.2952,
0.3028

Harmonies

Analogous

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



22.8142, 0.4799, 0.4194



22.8142, 0.4222, 0.4777



22.8142, 0.3405, 0.5001

Triad

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



22.8142, 0.4222, 0.4777



22.8142, 0.1617, 0.2624



22.8142, 0.3539, 0.2395

Complementary

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



22.8142, 0.4222, 0.4777



4.1393, 0.1748, 0.1103

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.



22.8142, 0.2630, 0.2049



22.8142, 0.4222, 0.4777



22.8142, 0.1645, 0.2109

Square

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



22.8142, 0.4222, 0.4777



22.8142, 0.1919, 0.3519



22.8142, 0.1979, 0.1940



22.8142, 0.4436, 0.2921

Rectangle

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



22.8142, 0.4222, 0.4777



22.8142, 0.2831, 0.4763



22.8142, 0.1979, 0.1940



22.8142, 0.3218, 0.2256

Sweetspot

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



22.8153, 0.4222, 0.4777



45.8698, 0.3481, 0.3803



7.2005, 0.5477, 0.3154



10.4229, 0.3532, 0.3876



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8153, 0.4222, 0.4777



38.9371, 0.4342, 0.4887



22.7427, 0.3577, 0.5262



6.1954, 0.3261, 0.3486



19.0241, 0.4373, 0.4910



0.1990, 0.4275, 0.4987

Inverse Universe

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



4.1393, 0.1748, 0.1103



4.6775, 0.1566, 0.0764



4.6970, 0.2157, 0.1168



5.3356, 0.2990, 0.3086



2.0514, 0.1525, 0.0690



0.0332, 0.1634, 0.1083

Previews

White Background



This preview shows how the Yxy color 22.8142, 0.4222, 0.4777 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 22.8142, 0.4222, 0.4777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

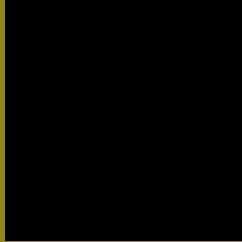
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8142, 0.4222, 0.4777

Background



This preview shows how black text looks on a background with the Yxy color 22.8142, 0.4222, 0.4777.



This preview shows how white text looks on a background with the Yxy color 22.8142, 0.4222, 0.4777.

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

22.8142, 0.4222, 0.4777

Protanopia

22.9082, 0.4284, 0.4732

Deuteranopia

22.8001, 0.4554, 0.4478



Tritanopia

22.8119, 0.3353, 0.3128

Trichromacy



Original Color

22.8142, 0.4222, 0.4777

Protanomaly

22.8154, 0.4271, 0.4740

Deuteranomaly

22.7338, 0.4426, 0.4586

Tritanomaly

22.4314, 0.3750, 0.3799

Monochromacy



Original Color

22.8142, 0.4222, 0.4777

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1166, 0.3584, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8142, 0.4222, 0.4777 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(144, 133, 33)` looks like.

```
.text, #text, p{  
    color:rgb(144, 133, 33)  
}
```

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(144, 133, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 133, 33) }
```

Border

The CSS property to change the border of an element to Yxy 22.8142, 0.4222, 0.4777 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(144, 133, 33) }
```

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

```
.border{ border-color:rgb(144, 133, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 133, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 133, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 133, 33);  
box-shadow:4px 4px 4px 4px rgb(144, 133,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8142, 0.4222, 0.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 133, 33) }
```

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

```
.background{ background-color: rgb(144,  
133, 33) }
```

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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