

Converting Colors

$Y_{xy}(22.6192, 0.3115, 0.3555)$

Have a look what the booklet for
Yxy(22.6192, 0.3115, 0.3555)
contains.

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Color

Yxy(22.6771, 0.3114, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	788778
RGB	120, 135, 120
RGB Percent	47%, 53%, 47%
CMY	0.5295, 0.4706, 0.5294
CMYK	0.11, 0.00, 0.11, 0.47
HSL	120°, 6%, 50%
HSV	120°, 11%, 53%
XYZ	19.7972, 22.6771, 21.1004
YIQ	128.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

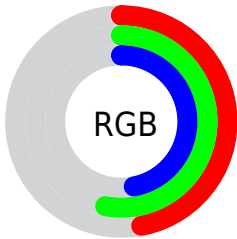
Format	Color
R_{YB}	120, 135, 135
Decimal	7899000
CIE _{Lab}	54.74, -8.52, 6.22
CIE _{LCh}	55, 10.551, 143.846
Yxy	22.6771, 0.3114, 0.3567
Android (android.graphics.Color)	4286089080 (0xFF788778)
YUV	128.8050, -4.3409, -7.7220
Hunter-Lab	47.6205, -9.1284, 7.0632

Details

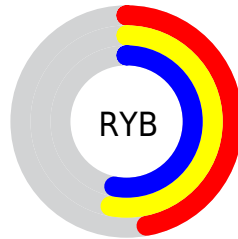
The Yxy color $22.6771, 0.3114, 0.3567$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.3285, 0.3140, 0.3028$, and the grayscale version is $21.8968, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7157, 0.3117, 0.3504$, and $8.3045, 0.3093, 0.3661$ is the 20% darker color. If you saturate the color by 10%, you get $21.4753, 0.3101, 0.3850$, and if you desaturate by 10%, it is $24.0631, 0.3126, 0.3316$.

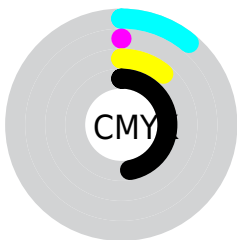
Distribution



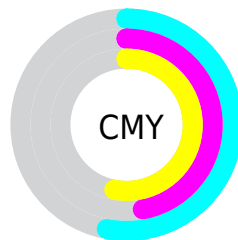
- Red (47%)
- Green (53%)
- Blue (47%)



- Red (47%)
- Yellow (53%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6771, 0.3114, 0.3567 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 22.6771, 0.3114, 0.3567 by changing the saturation by 10% instead.

■ 22.6771, 0.3114,
0.3567

■ 22.6771, 0.3114,
0.3567

266.0622, 0.3123,
0.3410

■ 14.3553, 0.3111,
0.3614

■ 47.8626, 0.3118,
0.3504

■ 8.3682, 0.3106,
0.3682

■ 65.4950, 0.3119,
0.3482

■ 4.3314, 0.3098,
0.3784

■ 86.9998, 0.3120,
0.3465

■ 1.8606, 0.3081,
0.3957

112.7612, 0.3121,
0.3450

■ 0.5245, 0.3055,
0.5515

143.1638, 0.3121,
0.3437

■ 0.0000, 0.0000,
0.0000

178.5919, 0.3122,

0.3427

219.4299, 0.3122,
0.3418

■ 22.6771, 0.3114,
0.3567

■ 22.6771, 0.3114,
0.3567

■ 21.4753, 0.3101,
0.3850

■ 24.0631, 0.3126,
0.3316

■ 20.4472, 0.3086,
0.4164

■ 25.6375, 0.3136,
0.3098

■ 19.5856, 0.3070,
0.4500

■ 27.4080, 0.3145,
0.2908

■ 18.8819, 0.3053,
0.4847

■ 29.3811, 0.3153,
0.2745

■ 18.3263, 0.3038,
0.5184

■ 31.5629, 0.3160,
0.2604

■ 17.9084, 0.3024,
0.5487

■ 33.9592, 0.3166,
0.2484

■ 17.6161, 0.3012,
0.5731

■ 36.5758, 0.3171,
0.2380

■ 17.4354, 0.3005,
0.5897

■ 39.4179, 0.3175,
0.2290

■ 17.3309, 0.3000,
0.5999

■ 42.4910, 0.3179,
0.2213

Harmonies

Analogous

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



22.6771, 0.3300, 0.3621



22.6771, 0.3114, 0.3567



22.6771, 0.2936, 0.3431

Triad

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



22.6771, 0.3114, 0.3567



22.6771, 0.2819, 0.2999



22.6771, 0.3453, 0.3309

Complementary

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



22.6771, 0.3114, 0.3567



20.3285, 0.3140, 0.3028

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.



22.6771, 0.3317, 0.3153



22.6771, 0.3114, 0.3567



22.6771, 0.2950, 0.2977

Square

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



22.6771, 0.3114, 0.3567



22.6771, 0.2769, 0.3099



22.6771, 0.3132, 0.3033



22.6771, 0.3499, 0.3465

Rectangle

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



22.6771, 0.3114, 0.3567



22.6771, 0.2845, 0.3316



22.6771, 0.3132, 0.3033



22.6771, 0.3416, 0.3255

Sweetspot

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



22.6781, 0.3114, 0.3567



42.5801, 0.3124, 0.3362



23.8379, 0.3286, 0.3553



9.8165, 0.3123, 0.3380



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.6781, 0.3114, 0.3567



40.1140, 0.3111, 0.3625



22.8674, 0.3038, 0.3427



5.2048, 0.3117, 0.3514



15.9788, 0.3000, 0.5999



0.0554, 0.2999, 0.5995

Inverse Universe

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



20.3285, 0.3140, 0.3028



35.1635, 0.3142, 0.2976



20.1246, 0.3227, 0.3157



4.7628, 0.3137, 0.3076



6.3594, 0.3212, 0.1543



0.0220, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.6771, 0.3114, 0.3567 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 22.6771, 0.3114, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

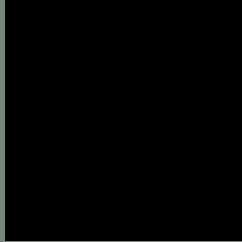
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

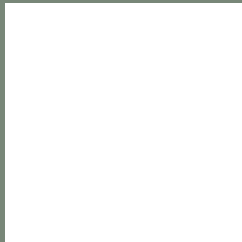
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6771, 0.3114, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 22.6771, 0.3114, 0.3567.



This preview shows how white text looks on a background with the Yxy color 22.6771, 0.3114, 0.3567.

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

22.6771, 0.3114, 0.3567

Protanopia

22.5075, 0.3331, 0.3502

Deuteranopia

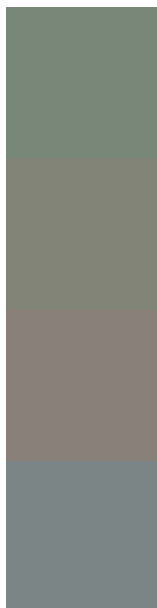
22.5299, 0.3429, 0.3358



Tritanopia

22.7406, 0.2936, 0.3114

Trichromacy



Original Color

22.6771, 0.3114, 0.3567

Protanomaly

22.5803, 0.3244, 0.3524

Deuteranomaly

22.3994, 0.3311, 0.3431

Tritanomaly

22.7072, 0.3005, 0.3272

Monochromacy



Original Color

22.6771, 0.3114, 0.3567

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1746, 0.3123, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6771, 0.3114, 0.3567 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(120, 135, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 135, 120)  
}
```

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(120, 135, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 135, 120) }
```

Border

The CSS property to change the border of an element to Yxy 22.6771, 0.3114, 0.3567 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(120, 135, 120) }
```

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

```
.border{ border-color:rgb(120, 135, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 135, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 135, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 135, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 135,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6771, 0.3114, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 135, 120) }
```

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

```
.background{ background-color: rgb(120,  
135, 120) }
```

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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