

Converting Colors

$Y_{xy}(18.4187, 0.2926, 0.2727)$

Have a look what the booklet for
Yxy(18.4187, 0.2926, 0.2727)
contains.

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Color

Yxy(18.3666, 0.2932, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	7F7191
RGB	127, 113, 145
RGB Percent	50%, 44%, 57%
CMY	0.5019, 0.5569, 0.4314
CMYK	0.12, 0.22, 0.00, 0.43
HSL	266°, 13%, 51%
HSV	266°, 22%, 57%
XYZ	19.7690, 18.3666, 29.2895
YIQ	120.8340, -1.9280, 12.9200

Conversions

Conversions Part 2

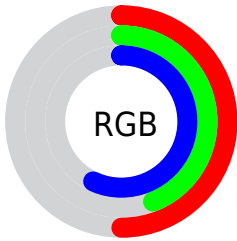
Format	Color
RYB	127, 113, 145
Decimal	8352145
CIELab	49.94, 12.03, -15.42
CIELCh	50, 19.559, 307.962
Yxy	18.3666, 0.2932, 0.2724
Android (android.graphics.Color)	4286542225 (0xFF7F7191)
YUV	120.8340, 11.9138, 5.4076
Hunter-Lab	42.8563, 7.3413, -10.5215

Details

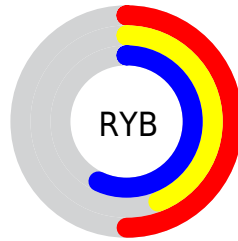
The Yxy color $18.3666, 0.2932, 0.2724$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $26.2662, 0.3292, 0.3849$, and the grayscale version is $19.0261, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.7371, 0.2979, 0.2849$, and $6.2084, 0.2858, 0.2516$ is the 20% darker color. If you saturate the color by 10%, you get $14.7856, 0.2822, 0.2438$, and if you desaturate by 10%, it is $22.5167, 0.3028, 0.2993$.

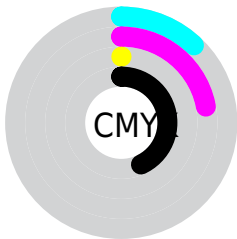
Distribution



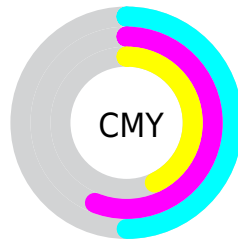
- Red (50%)
- Green (44%)
- Blue (57%)



- Red (50%)
- Yellow (44%)
- Blue (57%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (43%)



- Cyan (50%)
- Magenta (56%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3666, 0.2932, 0.2724 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 18.3666, 0.2932, 0.2724 by changing the saturation by 10% instead.

■ 18.3666, 0.2932,
0.2724

■ 18.3666, 0.2932,
0.2724

242.9293, 0.3047,
0.3040

■ 11.2135, 0.2895,
0.2632

■ 40.6610, 0.2979,
0.2848

■ 6.2106, 0.2842,
0.2506

■ 56.5711, 0.2995,
0.2891

■ 2.9736, 0.2760,
0.2320

■ 76.1690, 0.3008,
0.2927

■ 1.1180, 0.2615,
0.2024

■ 99.8391, 0.3019,
0.2957

■ 0.0000, 0.2109,
0.0000

127.9658, 0.3028,
0.2983

■ 0.0000, 0.0000,
0.0000

160.9335, 0.3035,

0.3004

199.1265, 0.3042,
0.3023

■ 18.3666, 0.2932,
0.2724

■ 18.3666, 0.2932,
0.2724

■ 14.7856, 0.2822,
0.2438

■ 22.5167, 0.3028,
0.2993

■ 11.7457, 0.2700,
0.2143

■ 27.2576, 0.3112,
0.3241

■ 9.2199, 0.2566,
0.1847

■ 32.6128, 0.3183,
0.3468

■ 7.1780, 0.2426,
0.1564

■ 38.6035, 0.3243,
0.3672

■ 5.5865, 0.2284,
0.1309

■ 45.2501, 0.3293,
0.3855

■ 4.4073, 0.2146,
0.1096

■ 52.5722, 0.3336,
0.4018

■ 3.5956, 0.2019,
0.0936

■ 60.5883, 0.3371,
0.4163

■ 3.1171, 0.1927,
0.0835

■ 69.3163, 0.3401,
0.4292

■ 78.7735, 0.3425,
0.4407

Harmonies

Analogous

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



18.3666, 0.2626, 0.2686



18.3666, 0.2932, 0.2724



18.3666, 0.3309, 0.2892

Triad

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



18.3666, 0.2932, 0.2724



18.3666, 0.3839, 0.3742



18.3666, 0.2618, 0.3404

Complementary

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



18.3666, 0.2932, 0.2724



26.2662, 0.3292, 0.3849

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.



18.3666, 0.2920, 0.3744



18.3666, 0.2932, 0.2724



18.3666, 0.3628, 0.3929

Square

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



18.3666, 0.2932, 0.2724



18.3666, 0.3851, 0.3458



18.3666, 0.3289, 0.3940



18.3666, 0.2454, 0.3052

Rectangle

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



18.3666, 0.2932, 0.2724



18.3666, 0.3549, 0.3059



18.3666, 0.3289, 0.3940



18.3666, 0.2706, 0.3525

Sweetspot

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



18.3674, 0.2932, 0.2724



44.3695, 0.3071, 0.3118



21.8229, 0.2792, 0.3039



9.7778, 0.3067, 0.3106



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.



18.3674, 0.2932, 0.2724



29.9012, 0.2885, 0.2598



19.6820, 0.3126, 0.2756



5.3633, 0.3054, 0.3067



2.6887, 0.1933, 0.0839



0.0384, 0.2431, 0.1113

Inverse Universe

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



19.4681, 0.3323, 0.2985



32.2291, 0.3373, 0.2920



25.0958, 0.3121, 0.3879



5.4717, 0.3200, 0.3167



5.6848, 0.4651, 0.2336



0.0588, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 18.3666, 0.2932, 0.2724 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 18.3666, 0.2932, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

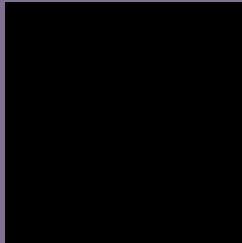
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3666, 0.2932, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 18.3666, 0.2932, 0.2724.



This preview shows how white text looks on a background with the Yxy color 18.3666, 0.2932, 0.2724.

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

18.3666, 0.2932, 0.2724

Protanopia

18.4745, 0.2724, 0.2738

Deuteranopia

18.3560, 0.2839, 0.2779



Tritanopia

18.2822, 0.3111, 0.3104

Trichromacy



Original Color

18.3666, 0.2932, 0.2724

Protanomaly

18.3793, 0.2797, 0.2727

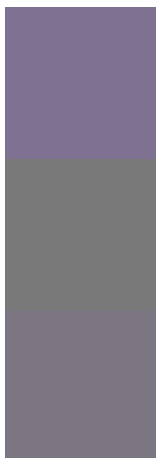
Deuteranomaly

18.3400, 0.2873, 0.2766

Tritanomaly

18.3149, 0.3042, 0.2960

Monochromacy



Original Color

18.3666, 0.2932, 0.2724

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7795, 0.3051, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3666, 0.2932, 0.2724 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(127, 113, 145)` looks like.

```
.text, #text, p{  
    color:rgb(127, 113, 145)  
}
```

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(127, 113, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 113, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.3666, 0.2932, 0.2724 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(127, 113, 145) }
```

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

```
.border{ border-color:rgb(127, 113, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 113, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 113, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 113, 145);  
box-shadow:4px 4px 4px 4px rgb(127, 113,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3666, 0.2932, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 113, 145) }
```

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

```
.background{ background-color: rgb(127,  
113, 145) }
```

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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