

Converting Colors

$Y_{xy}(10.8351, 0.2223, 0.2022)$

Have a look what the booklet for
Yxy(10.8351, 0.2223, 0.2022)
contains.

Yxy(10.7568, 0.2219, 0.2017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.7568, 0.2219, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	485997
RGB	72, 89, 151
RGB Percent	28%, 35%, 59%
CMY	0.7175, 0.6510, 0.4078
CMYK	0.52, 0.41, 0.00, 0.41
HSL	227°, 35%, 44%
HSV	227°, 52%, 59%
XYZ	11.8341, 10.7568, 30.7398
YIQ	90.9850, -30.0340, 15.6780

Conversions

Conversions Part 2

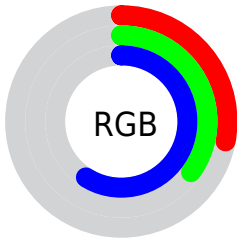
Format	Color
R_{YB}	72, 86, 151
Decimal	4741527
CIE _{Lab}	39.17, 11.88, -36.09
CIE _{LCh}	39, 37.991, 288.221
Yxy	10.7568, 0.2219, 0.2017
Android (android.graphics.Color)	4282931607 (0xFF485997)
YUV	90.9850, 29.5874, -16.6498
Hunter-Lab	32.7976, 7.0110, -32.6118

Details

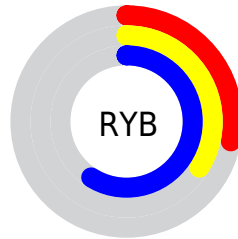
The Yxy color **10.7568, 0.2219, 0.2017** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1198, 0.3999, 0.4292**, and the grayscale version is **10.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2814, 0.2438, 0.2307**, and **2.7926, 0.1800, 0.1505** is the 20% darker color. If you saturate the color by 10%, you get **8.4287, 0.2038, 0.1729**, and if you desaturate by 10%, it is **13.5463, 0.2407, 0.2301**.

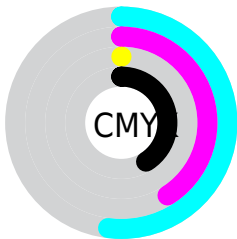
Distribution



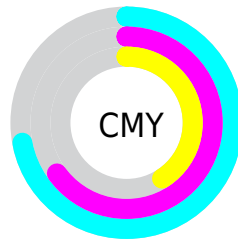
- Red (28%)
- Green (35%)
- Blue (59%)



- Red (28%)
- Yellow (34%)
- Blue (59%)



- Cyan (52%)
- Magenta (41%)
- Yellow (0%)
- Black (41%)



- Cyan (72%)
- Magenta (65%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7568, 0.2219, 0.2017 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 10.7568, 0.2219, 0.2017 by changing the saturation by 10% instead.

■ 10.7568, 0.2219,
0.2017

■ 10.7568, 0.2219,
0.2017

■ 195.9914, 0.2765,
0.2750

■ 5.9035, 0.2046,
0.1803

■ 27.2096, 0.2443,
0.2307

■ 2.7865, 0.1803,
0.1513

■ 39.5779, 0.2519,
0.2409

■ 1.0213, 0.1444,
0.1113

■ 55.2200, 0.2581,
0.2492

■ 0.0000, 0.0581,
0.0000

■ 74.5203, 0.2631,
0.2561

■ 0.0000, 0.0000,
0.0000

■ 97.8632, 0.2673,
0.2620

125.6331, 0.2709,

0.2669

158.2143, 0.2739,
0.2712

■ 10.7568, 0.2219,
0.2017

■ 10.7568, 0.2219,
0.2017

■ 8.4287, 0.2038,
0.1729

■ 13.5463, 0.2407,
0.2301

■ 6.5351, 0.1873,
0.1450

■ 16.8200, 0.2593,
0.2571

■ 5.0478, 0.1734,
0.1195

■ 20.6001, 0.2772,
0.2820

■ 3.9344, 0.1629,
0.0979

■ 24.9074, 0.2940,
0.3046

■ 3.2903, 0.1568,
0.0844

■ 29.7614, 0.3094,
0.3247

■ 35.1806, 0.3234,
0.3425

■ 41.1825, 0.3360,
0.3580

■ 47.7840, 0.3473,
0.3716

■ 55.0013, 0.3573,
0.3834

Harmonies

Analogous

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



10.7568, 0.1796, 0.2087



10.7568, 0.2219, 0.2017



10.7568, 0.2933, 0.2202

Triad

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



10.7568, 0.2219, 0.2017



10.7568, 0.4832, 0.3753



10.7568, 0.2364, 0.4142

Complementary

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



10.7568, 0.2219, 0.2017



24.1198, 0.3999, 0.4292

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.



10.7568, 0.3123, 0.4808



10.7568, 0.2219, 0.2017



10.7568, 0.4565, 0.4362

Square

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



10.7568, 0.2219, 0.2017



10.7568, 0.4564, 0.3143



10.7568, 0.3927, 0.4819



10.7568, 0.1853, 0.3195

Rectangle

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



10.7568, 0.2219, 0.2017



10.7568, 0.3521, 0.2446



10.7568, 0.3927, 0.4819



10.7568, 0.2598, 0.4425

Sweetspot

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



10.7572, 0.2219, 0.2017



41.3756, 0.2874, 0.2958



25.2382, 0.2588, 0.3620



9.0749, 0.2842, 0.2916



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



10.7572, 0.2219, 0.2017



14.3652, 0.2004, 0.1673



9.2766, 0.2405, 0.1775



6.2306, 0.2988, 0.3110



2.8344, 0.1570, 0.0853



0.0878, 0.1759, 0.1534

Inverse Universe

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



11.9422, 0.4255, 0.3008



17.4065, 0.4685, 0.2968



27.2479, 0.3614, 0.4637



6.2433, 0.3251, 0.3242



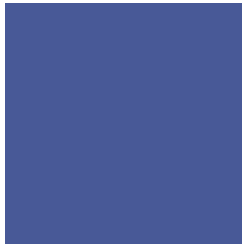
5.6914, 0.5985, 0.3071



0.0897, 0.5016, 0.2537

Previews

White Background



This preview shows how the Yxy color 10.7568, 0.2219, 0.2017 looks on a white 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

Black Background



This preview shows how the Yxy color 10.7568, 0.2219, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

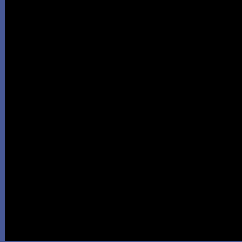
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.7568, 0.2219, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 10.7568, 0.2219, 0.2017.



This preview shows how white text looks on a background with the Yxy color 10.7568, 0.2219, 0.2017.

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

10.7568, 0.2219, 0.2017

Protanopia

10.7726, 0.2172, 0.2010

Deuteranopia

10.6971, 0.2108, 0.2057



Tritanopia

10.8551, 0.2501, 0.3084

Trichromacy



Original Color

10.7568, 0.2219, 0.2017

Protanomaly

10.8445, 0.2189, 0.2016

Deuteranomaly

10.7083, 0.2149, 0.2049

Tritanomaly

10.6386, 0.2379, 0.2622

Monochromacy



Original Color

10.7568, 0.2219, 0.2017

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3894, 0.2725, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7568, 0.2219, 0.2017 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(72, 89, 151)` looks like.

```
.text, #text, p{  
    color:rgb(72, 89, 151)  
}
```

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(72, 89, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 89, 151) }
```

Border

The CSS property to change the border of an element to Yxy 10.7568, 0.2219, 0.2017 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(72, 89, 151) }
```

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

```
.border{ border-color:rgb(72, 89, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 89, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 89, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 89, 151);  
box-shadow:4px 4px 4px 4px rgb(72, 89,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7568, 0.2219, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 89, 151) }
```

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

```
.background{ background-color: rgb(72, 89,  
151) }
```

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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