

Converting Colors

$Y_{xy}(10.2822, 0.2207, 0.2104)$

Have a look what the booklet for
Yxy(10.2822, 0.2207, 0.2104)
contains.

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Color

$Y_{xy}(10.2822, 0.2207, 0.2104)$

Conversions

Conversions Part 1

Format	Color
Hex	415990
RGB	65, 89, 144
RGB Percent	25%, 35%, 56%
CMY	0.7452, 0.6510, 0.4353
CMYK	0.55, 0.38, 0.00, 0.44
HSL	222°, 38%, 41%
HSV	222°, 55%, 56%
XYZ	10.7856, 10.2822, 27.8020
YIQ	88.0940, -31.9590, 12.0170

Conversions

Conversions Part 2

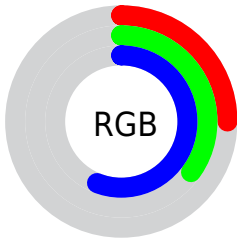
Format	Color
R _{YB}	65, 83, 144
Decimal	4282768
CIE Lab	38.34, 7.83, -33.19
CIE LCh	38, 34.096, 283.269
Yxy	10.2822, 0.2207, 0.2104
Android (android.graphics.Color)	4282472848 (0xFF415990)
YUV	88.0940, 27.5617, -20.2534
Hunter-Lab	32.0659, 3.9243, -28.9600

Details

The Yxy color **10.2822, 0.2207, 0.2104** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.7395, 0.4104, 0.4226**, and the grayscale version is **9.7241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3940, 0.2436, 0.2391**, and **2.5917, 0.1779, 0.1603** is the 20% darker color. If you saturate the color by 10%, you get **8.2961, 0.2040, 0.1845**, and if you desaturate by 10%, it is **12.6214, 0.2383, 0.2358**.

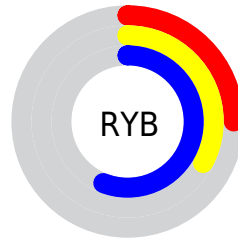
Distribution



Red (25%)

Green (35%)

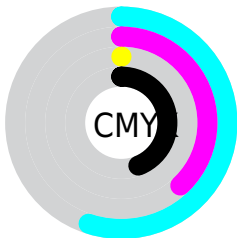
Blue (56%)



Red (25%)

Yellow (33%)

Blue (56%)

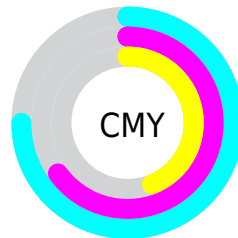


Cyan (55%)

Magenta (38%)

Yellow (0%)

Black (44%)



Cyan (75%)

Magenta (65%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2822, 0.2207, 0.2104 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 10.2822, 0.2207, 0.2104 by changing the saturation by 10% instead.

■ 10.2822, 0.2207,
0.2104

■ 10.2822, 0.2207,
0.2104

■ 192.6745, 0.2763,
0.2800

■ 5.5865, 0.2029,
0.1893

■ 26.3250, 0.2436,
0.2384

■ 2.5953, 0.1776,
0.1601

■ 38.4408, 0.2514,
0.2481

■ 0.9243, 0.1399,
0.1186

■ 53.7987, 0.2576,
0.2560

■ 0.0000, 0.0063,
0.0000

■ 72.7832, 0.2627,
0.2624

■ 0.0000, 0.0000,
0.0000

■ 95.7786, 0.2669,
0.2679

123.1694, 0.2705,

0.2725

155.3399, 0.2736,
0.2765

■ 10.2822, 0.2207,
0.2104

■ 10.2822, 0.2207,
0.2104

■ 8.2961, 0.2040,
0.1845

■ 12.6214, 0.2383,
0.2358

■ 6.6433, 0.1889,
0.1590

■ 15.3301, 0.2561,
0.2599

■ 5.3032, 0.1762,
0.1350

■ 18.4246, 0.2734,
0.2823

■ 4.2507, 0.1666,
0.1138

■ 21.9200, 0.2900,
0.3026

■ 3.7982, 0.1622,
0.1040

■ 25.8305, 0.3056,
0.3209

■ 30.1697, 0.3200,
0.3371

■ 34.9504, 0.3332,
0.3513

■ 40.1850, 0.3452,
0.3639

■ 45.8852, 0.3561,
0.3748

Harmonies

Analogous

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



10.2822, 0.1855, 0.2219



10.2822, 0.2207, 0.2104



10.2822, 0.2830, 0.2238

Triad

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



10.2822, 0.2207, 0.2104



10.2822, 0.4682, 0.3641



10.2822, 0.2538, 0.4189

Complementary

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



10.2822, 0.2207, 0.2104



19.7395, 0.4104, 0.4226

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.



10.2822, 0.3262, 0.4704



10.2822, 0.2207, 0.2104



10.2822, 0.4524, 0.4209

Square

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



10.2822, 0.2207, 0.2104



10.2822, 0.4349, 0.3075



10.2822, 0.3989, 0.4648



10.2822, 0.2013, 0.3349

Rectangle

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



10.2822, 0.2207, 0.2104



10.2822, 0.3355, 0.2447



10.2822, 0.3989, 0.4648



10.2822, 0.2766, 0.4419

Sweetspot

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



10.2826, 0.2207, 0.2104



37.7180, 0.2876, 0.2998



22.4016, 0.2631, 0.3807



8.3838, 0.2847, 0.2962



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.



10.2826, 0.2207, 0.2104



13.8551, 0.2000, 0.1781



7.4752, 0.2266, 0.1663



5.5057, 0.2990, 0.3133



3.3451, 0.1625, 0.1049



0.0672, 0.1847, 0.1850

Inverse Universe

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



10.4297, 0.4187, 0.2874



14.9777, 0.4587, 0.2815



25.0359, 0.3724, 0.4648



5.4494, 0.3237, 0.3223



5.3240, 0.5685, 0.2905



0.0545, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 10.2822, 0.2207, 0.2104 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 10.2822, 0.2207, 0.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

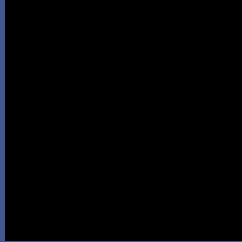
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.2822, 0.2207, 0.2104

Background



This preview shows how black text looks on a background with the Yxy color 10.2822, 0.2207, 0.2104.



This preview shows how white text looks on a background with the Yxy color 10.2822, 0.2207, 0.2104.

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

10.2822, 0.2207, 0.2104

Protanopia

10.2278, 0.2247, 0.2108

Deuteranopia

10.2558, 0.2161, 0.2112



Tritanopia

10.2731, 0.2454, 0.3078

Trichromacy



Original Color

10.2822, 0.2207, 0.2104

Protanomaly

10.1916, 0.2238, 0.2105

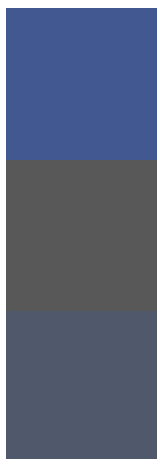
Deuteranomaly

10.3180, 0.2177, 0.2117

Tritanomaly

10.1781, 0.2353, 0.2672

Monochromacy



Original Color

10.2822, 0.2207, 0.2104

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7676, 0.2728, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2822, 0.2207, 0.2104 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(65, 89, 144)` looks like.

```
.text, #text, p{  
    color:rgb(65, 89, 144)  
}
```

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(65, 89, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 89, 144) }
```

Border

The CSS property to change the border of an element to Yxy 10.2822, 0.2207, 0.2104 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(65, 89, 144) }
```

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

```
.border{ border-color:rgb(65, 89, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 89, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 89, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 89, 144);  
box-shadow:4px 4px 4px 4px rgb(65, 89,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2822, 0.2207, 0.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 89, 144) }
```

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

```
.background{ background-color: rgb(65, 89,  
144) }
```

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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