

Converting Colors

$Y_{xy}(23.3808, 0.2788, 0.2092)$

Have a look what the booklet for
Yxy(23.3808, 0.2788, 0.2092)
contains.

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Color

Yxy(23.3255, 0.2786, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	A36FC8
RGB	163, 111, 200
RGB Percent	64%, 44%, 78%
CMY	0.3608, 0.5647, 0.2157
CMYK	0.18, 0.44, 0.00, 0.22
HSL	275°, 45%, 61%
HSV	275°, 44%, 78%
XYZ	31.2127, 23.3255, 57.4959
YIQ	136.6940, 2.4230, 38.7030

Conversions

Conversions Part 2

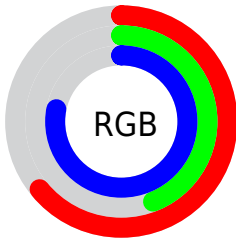
Format	Color
R_{YB}	163, 111, 200
Decimal	10710984
CIE _{Lab}	55.41, 37.17, -38.54
CIE _{LCh}	55, 53.548, 313.966
Yxy	23.3255, 0.2786, 0.2082
Android (android.graphics.Color)	4288901064 (0xFFA36FC8)
YUV	136.6940, 31.2099, 23.0704
Hunter-Lab	48.2965, 30.8409, -36.7759

Details

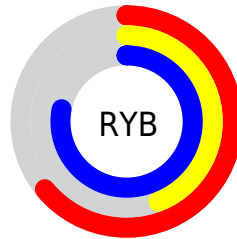
The Yxy color **23.3255, 0.2786, 0.2082** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.7490, 0.3338, 0.4554**, and the grayscale version is **24.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8310, 0.2880, 0.2323**, and **8.6640, 0.2633, 0.1733** is the 20% darker color. If you saturate the color by 10%, you get **18.5905, 0.2682, 0.1805**, and if you desaturate by 10%, it is **29.0970, 0.2881, 0.2368**.

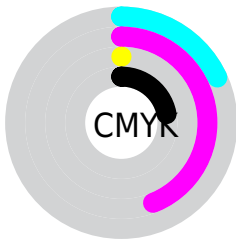
Distribution



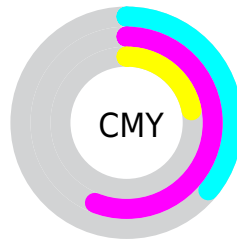
- Red (64%)
- Green (44%)
- Blue (78%)



- Red (64%)
- Yellow (44%)
- Blue (78%)



- Cyan (18%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (36%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3255, 0.2786, 0.2082 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 23.3255, 0.2786, 0.2082 by changing the saturation by 10% instead.


 23.3255, 0.2786,
0.2082


 23.3255, 0.2786,
0.2082


269.3924, 0.2989,
0.2690


 14.8340, 0.2725,
0.1933


 48.9272, 0.2867,
0.2302


 8.7030, 0.2642,
0.1745


 66.8063, 0.2895,
0.2385

 4.5480, 0.2520,
0.1503


 88.5834, 0.2918,
0.2455

 1.9846, 0.2335,
0.1186

 114.6428, 0.2937,
0.2515

 0.5985, 0.2038,
0.0740

145.3691, 0.2953,
0.2568

 0.0000, 0.1364,
0.0000

181.1465, 0.2967,

 0.0000, 0.0000,

0.2613

0.0000

222.3595, 0.2978,
0.2654

■ 23.3255, 0.2786,
0.2082

■ 23.3255, 0.2786,
0.2082

■ 18.5905, 0.2682,
0.1805

■ 29.0970, 0.2881,
0.2368

■ 14.8222, 0.2572,
0.1550

■ 35.9632, 0.2966,
0.2651

■ 11.9462, 0.2460,
0.1330


■ 43.9812, 0.3039,
0.2924


■ 9.8756, 0.2350,
0.1156

■ 53.2030, 0.3102,
0.3181

■ 8.5052, 0.2247,
0.1033

■ 63.6778, 0.3155,
0.3418

 7.9413, 0.2192,
0.0981

 75.4516, 0.3199,
0.3635

 88.5684, 0.3236,
0.3831

 92.4323, 0.3285,
0.3861

 93.8370, 0.3340,
0.3851

Harmonies

Analogous

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



23.3255, 0.2065, 0.1921



23.3255, 0.2786, 0.2082



23.3255, 0.3740, 0.2474

Triad

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



23.3255, 0.2786, 0.2082



23.3255, 0.4739, 0.4331



23.3255, 0.1810, 0.3317

Complementary

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



23.3255, 0.2786, 0.2082



48.7490, 0.3338, 0.4554

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.



23.3255, 0.2397, 0.4366



23.3255, 0.2786, 0.2082



23.3255, 0.4085, 0.4888

Square

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



23.3255, 0.2786, 0.2082



23.3255, 0.4970, 0.3670



23.3255, 0.3232, 0.5003



23.3255, 0.1575, 0.2476

Rectangle

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



23.3255, 0.2786, 0.2082



23.3255, 0.4352, 0.2833



23.3255, 0.3232, 0.5003



23.3255, 0.1968, 0.3668

Sweetspot

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



23.3264, 0.2786, 0.2082



78.1222, 0.3048, 0.2959



28.7559, 0.2397, 0.2499



16.0049, 0.3033, 0.2899



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.3264, 0.2786, 0.2082



32.7336, 0.2690, 0.1825



27.4801, 0.3256, 0.2290



10.5884, 0.3073, 0.3058



5.1033, 0.2206, 0.0989



0.2834, 0.2412, 0.1103

Inverse Universe

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



25.7868, 0.3796, 0.2809



37.7929, 0.4012, 0.2719



46.0032, 0.3019, 0.4552



10.7089, 0.3226, 0.3194



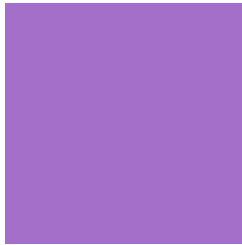
8.2232, 0.5291, 0.2689



0.4037, 0.4754, 0.2392

Previews

White Background



This preview shows how the Yxy color 23.3255, 0.2786, 0.2082 looks on a white background.

Color Contrast Check

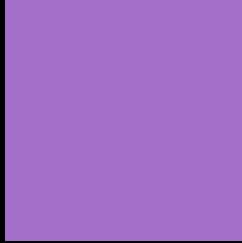
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3255, 0.2786, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

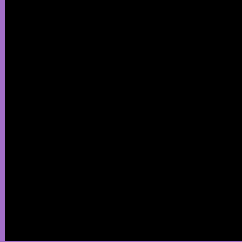
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3255, 0.2786, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 23.3255, 0.2786, 0.2082.



This preview shows how white text looks on a background with the Yxy color 23.3255, 0.2786, 0.2082.

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

23.3255, 0.2786, 0.2082

Protanopia

23.6277, 0.2171, 0.2000

Deuteranopia

23.5522, 0.2341, 0.2282



Tritanopia

23.4433, 0.3350, 0.3145

Trichromacy



Original Color

23.3255, 0.2786, 0.2082

Protanomaly

23.0066, 0.2346, 0.2009

Deuteranomaly

22.9585, 0.2483, 0.2189

Tritanomaly

23.3460, 0.3131, 0.2707

Monochromacy



Original Color

23.3255, 0.2786, 0.2082

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.0874, 0.2995, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3255, 0.2786, 0.2082 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(163, 111, 200)` looks like.

```
.text, #text, p{  
    color:rgb(163, 111, 200)  
}
```

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(163, 111, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 111, 200) }
```

Border

The CSS property to change the border of an element to Yxy 23.3255, 0.2786, 0.2082 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(163, 111, 200) }
```

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

```
.border{ border-color:rgb(163, 111, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 111, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 111, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 111, 200);  
box-shadow:4px 4px 4px 4px rgb(163, 111,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3255, 0.2786, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 111, 200) }
```

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

```
.background{ background-color: rgb(163,  
111, 200) }
```

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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