

Converting Colors

$Y_{xy}(20.6294, 0.2581, 0.2022)$

Have a look what the booklet for
Yxy(20.6294, 0.2581, 0.2022)
contains.

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Color

Yxy(20.7128, 0.2586, 0.2033)

Conversions

Conversions Part 1

Format	Color
Hex	8C6EC4
RGB	140, 110, 196
RGB Percent	55%, 43%, 77%
CMY	0.4512, 0.5685, 0.2314
CMYK	0.29, 0.44, 0.00, 0.23
HSL	261°, 42%, 60%
HSV	261°, 44%, 77%
XYZ	26.3469, 20.7128, 54.8232
YIQ	128.7740, -9.7260, 33.1060

Conversions

Conversions Part 2

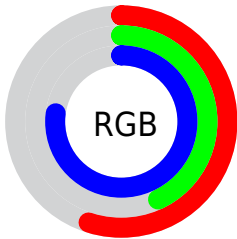
Format	Color
R_{YB}	140, 110, 196
Decimal	9203396
CIE _{Lab}	52.63, 30.18, -40.78
CIE _{LCh}	53, 50.728, 306.504
Yxy	20.7128, 0.2586, 0.2033
Android (android.graphics.Color)	4287393476 (0xFF8C6EC4)
YUV	128.7740, 33.1424, 9.8452
Hunter-Lab	45.5113, 23.6905, -39.5632

Details

The Yxy color **20.7128, 0.2586, 0.2033** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **48.7117, 0.3508, 0.4463**, and the grayscale version is **21.7540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5346, 0.2706, 0.2267**, and **7.4245, 0.2371, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **15.8951, 0.2427, 0.1720**, and if you desaturate by 10%, it is **26.5962, 0.2735, 0.2348**.

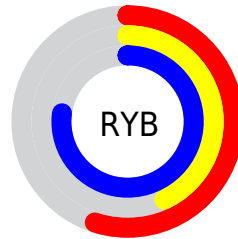
Distribution



Red (55%)

Green (43%)

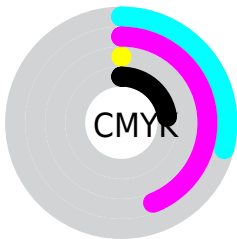
Blue (77%)



Red (55%)

Yellow (43%)

Blue (77%)

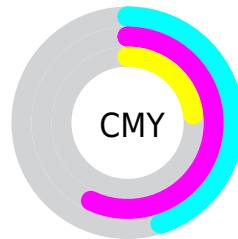


Cyan (29%)

Magenta (44%)

Yellow (0%)

Black (23%)



Cyan (45%)

Magenta (57%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7128, 0.2586, 0.2033 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 20.7128, 0.2586, 0.2033 by changing the saturation by 10% instead.


 20.7128, 0.2586,
0.2033

 20.7128, 0.2586,
0.2033


255.7482, 0.2898,
0.2678


 12.9142, 0.2495,
0.1872


 44.6091, 0.2709,
0.2269

 7.3695, 0.2372,
0.1667


 61.4755, 0.2752,
0.2357

 3.6942, 0.2197,
0.1403

 82.1335, 0.2788,
0.2432

 1.5040, 0.1936,
0.1057

 106.9672, 0.2817,
0.2495

 0.2916, 0.1556,
0.0442

136.3611, 0.2842,
0.2550

 0.0000, 0.0000,
0.0000

170.6997, 0.2863,

0.2598

210.3673, 0.2882,
0.2641

■ 20.7128, 0.2586,
0.2033

■ 20.7128, 0.2586,
0.2033

■ 15.8951, 0.2427,
0.1720

■ 26.5962, 0.2735,
0.2348

■ 12.0740, 0.2264,
0.1424

■ 33.6036, 0.2869,
0.2651

■ 9.1757, 0.2104,
0.1163

■ 41.7921, 0.2988,
0.2935

■ 7.1146, 0.1956,
0.0955

■ 51.2140, 0.3091,
0.3196

■ 5.7881, 0.1829,
0.0809

■ 61.9184, 0.3180,
0.3432

■ 5.2220, 0.1762,
0.0744

■ 73.9517, 0.3255,
0.3642

■ 87.3580, 0.3319,
0.3829

■ 94.4092, 0.3392,
0.3887

■ 96.7513, 0.3478,
0.3870

Harmonies

Analogous

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



20.7128, 0.1950, 0.1937



20.7128, 0.2586, 0.2033



20.7128, 0.3490, 0.2369

Triad

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



20.7128, 0.2586, 0.2033



20.7128, 0.4825, 0.4163



20.7128, 0.1940, 0.3574

Complementary

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



20.7128, 0.2586, 0.2033



48.7117, 0.3508, 0.4463

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.



20.7128, 0.2598, 0.4567



20.7128, 0.2586, 0.2033



20.7128, 0.4263, 0.4757

Square

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



20.7128, 0.2586, 0.2033



20.7128, 0.4912, 0.3508



20.7128, 0.3450, 0.5013



20.7128, 0.1619, 0.2659

Rectangle

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



20.7128, 0.2586, 0.2033



20.7128, 0.4123, 0.2700



20.7128, 0.3450, 0.5013



20.7128, 0.2125, 0.3926

Sweetspot

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



20.7136, 0.2586, 0.2033



76.7724, 0.2995, 0.2953



35.0602, 0.2467, 0.2857



15.6726, 0.2970, 0.2892



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.



20.7136, 0.2586, 0.2033



28.8216, 0.2428, 0.1721



25.0457, 0.3021, 0.2178



9.9147, 0.3036, 0.3056



3.3996, 0.1776, 0.0752



0.1855, 0.2037, 0.0896

Inverse Universe

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



25.6464, 0.3520, 0.2563



39.2084, 0.3648, 0.2411



44.9098, 0.3167, 0.4600



10.1860, 0.3190, 0.3141



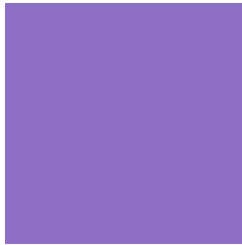
8.5549, 0.4317, 0.2152



0.3822, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 20.7128, 0.2586, 0.2033 looks on a white background.

Color Contrast Check

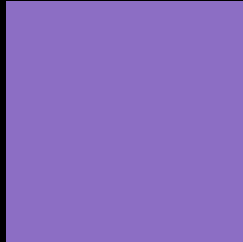
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7128, 0.2586, 0.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

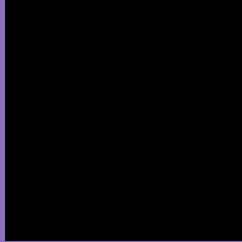
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7128, 0.2586, 0.2033

Background



This preview shows how black text looks on a background with the Yxy color 20.7128, 0.2586, 0.2033.



This preview shows how white text looks on a background with the Yxy color 20.7128, 0.2586, 0.2033.

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

20.7128, 0.2586, 0.2033

Protanopia

20.9441, 0.2144, 0.1971

Deuteranopia

20.7928, 0.2238, 0.2177



Tritanopia

20.7257, 0.3064, 0.3111

Trichromacy



Original Color

20.7128, 0.2586, 0.2033

Protanomaly

20.5677, 0.2275, 0.1976

Deuteranomaly

20.5792, 0.2343, 0.2118

Tritanomaly

20.5335, 0.2867, 0.2652

Monochromacy



Original Color

20.7128, 0.2586, 0.2033

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2055, 0.2921, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7128, 0.2586, 0.2033 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(140, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(140, 110, 196)  
}
```

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(140, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 110, 196) }
```

Border

The CSS property to change the border of an element to Yxy 20.7128, 0.2586, 0.2033 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(140, 110, 196) }
```

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

```
.border{ border-color:rgb(140, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(140, 110,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7128, 0.2586, 0.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 110, 196) }
```

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

```
.background{ background-color: rgb(140,  
110, 196) }
```

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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