

Converting Colors

$Y_{xy}(20.0539, 0.2248, 0.1543)$

Have a look what the booklet for
Yxy(20.0539, 0.2248, 0.1543)
contains.

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Color

Yxy(20.0990, 0.2244, 0.1543)

Conversions

Conversions Part 1

Format	Color
Hex	8564EB
RGB	133, 100, 235
RGB Percent	52%, 39%, 92%
CMY	0.4782, 0.6079, 0.0785
CMYK	0.43, 0.57, 0.00, 0.08
HSL	255°, 77%, 66%
HSV	255°, 57%, 92%
XYZ	29.2302, 20.0990, 80.9301
YIQ	125.2570, -23.6670, 48.9810

Conversions

Conversions Part 2

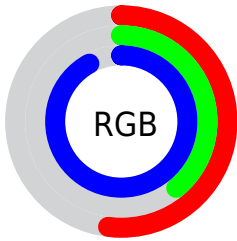
Format	Color
R _Y B	133, 100, 235
Decimal	8742123
CIE Lab	51.95, 44.61, -64.01
CIE LCh	52, 78.026, 304.873
Yxy	20.0990, 0.2244, 0.1543
Android (android.graphics.Color)	4286932203 (0xFF8564EB)
YUV	125.2570, 54.1033, 6.7906
Hunter-Lab	44.8319, 37.9252, -75.6473

Details

The Yxy color **20.0990, 0.2244, 0.1543** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **72.8779, 0.3698, 0.4783**, and the grayscale version is **20.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7528, 0.2653, 0.2130**, and **7.0379, 0.1945, 0.1137** is the 20% darker color. If you saturate the color by 10%, you get **14.8994, 0.2064, 0.1244**, and if you desaturate by 10%, it is **26.8434, 0.2427, 0.1869**.

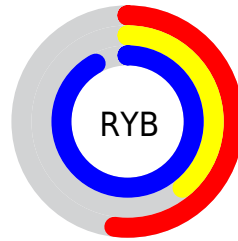
Distribution



Red (52%)

Green (39%)

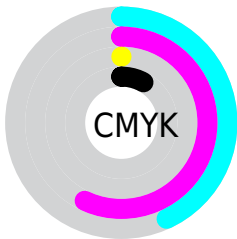
Blue (92%)



Red (52%)

Yellow (39%)

Blue (92%)

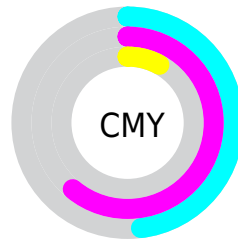


Cyan (43%)

Magenta (57%)

Yellow (0%)

Black (8%)



Cyan (48%)


Magenta (61%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0990, 0.2244, 0.1543 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 20.0990, 0.2244, 0.1543 by changing the saturation by 10% instead.


 20.0990, 0.2244,
0.1543


 20.0990, 0.2244,
0.1543


252.4506, 0.2737,
0.2380


 12.4670, 0.2113,
0.1358


 43.5831, 0.2431,
0.1832


 7.0626, 0.1943,
0.1138


 60.2040, 0.2499,
0.1945

 3.5013, 0.1720,
0.0878


 80.5900, 0.2556,
0.2043

 1.3987, 0.1423,
0.0582

 105.1256, 0.2604,
0.2129

 0.2158, 0.1041,
0.0163

134.1950, 0.2645,
0.2203

 0.0000, 0.0365,
0.0000

168.1827, 0.2680,

 0.0000, 0.0000,

0.2269

0.0000

207.4731, 0.2710,
0.2328

■ 20.0990, 0.2244,
0.1543

■ 20.0990, 0.2244,
0.1543

■ 14.8994, 0.2064,
0.1244

■ 26.8434, 0.2427,
0.1869

■ 11.1151, 0.1898,
0.0993

■ 35.2436, 0.2603,
0.2201

■ 8.5982, 0.1758,
0.0807


■ 45.4023, 0.2767,
0.2524


■ 7.1544, 0.1651,
0.0693

■ 57.4134, 0.2914,
0.2826

■ 6.8842, 0.1628,
0.0671

■ 71.3640, 0.3042,
0.3102

 87.3356, 0.3154,
0.3350

 98.7777, 0.3244,
0.3483

Harmonies

Analogous

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



20.0990, 0.1446, 0.1423



20.0990, 0.2244, 0.1543



20.0990, 0.3552, 0.1955

Triad

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



20.0990, 0.2244, 0.1543



20.0990, 0.5510, 0.4203



20.0990, 0.1416, 0.3758

Complementary

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



20.0990, 0.2244, 0.1543



72.8779, 0.3698, 0.4783

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.



20.0990, 0.2286, 0.5504



20.0990, 0.2244, 0.1543



20.0990, 0.4601, 0.5185

Square

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



20.0990, 0.2244, 0.1543



20.0990, 0.5774, 0.3358



20.0990, 0.3445, 0.5950



20.0990, 0.1050, 0.2315

Rectangle

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



20.0990, 0.2244, 0.1543



20.0990, 0.4562, 0.2369



20.0990, 0.3445, 0.5950



20.0990, 0.1651, 0.4381

Sweetspot

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



20.0997, 0.2244, 0.1543



69.7042, 0.2919, 0.2837



51.6499, 0.2321, 0.2874



14.2517, 0.2891, 0.2778



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.



20.0997, 0.2244, 0.1543



16.9676, 0.2032, 0.1193



27.2495, 0.2837, 0.1794



14.7271, 0.3018, 0.3049



3.8815, 0.1641, 0.0678



0.3486, 0.1777, 0.0753

Inverse Universe

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



31.0326, 0.3541, 0.2221



31.6077, 0.3657, 0.2067



65.5652, 0.3238, 0.5035



15.2470, 0.3175, 0.3114



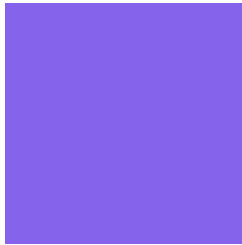
11.6274, 0.3944, 0.1946



0.9280, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 20.0990, 0.2244, 0.1543 looks on a white background.

Color Contrast Check

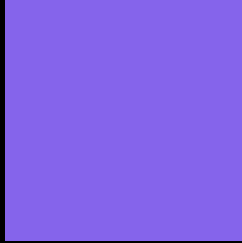
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0990, 0.2244, 0.1543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

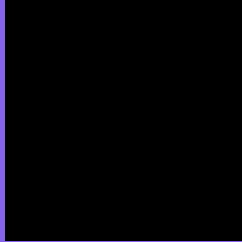
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0990, 0.2244, 0.1543

Background



This preview shows how black text looks on a background with the Yxy color 20.0990, 0.2244, 0.1543.



This preview shows how white text looks on a background with the Yxy color 20.0990, 0.2244, 0.1543.

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

20.0990, 0.2244, 0.1543

Protanopia

20.3494, 0.1734, 0.1441

Deuteranopia

20.1956, 0.1831, 0.1791



Tritanopia

19.8874, 0.2820, 0.3100

Trichromacy



Original Color

20.0990, 0.2244, 0.1543



Protanomaly

18.9321, 0.1788, 0.1422



Deuteranomaly

18.8970, 0.1856, 0.1636



Tritanomaly

19.4830, 0.2569, 0.2367

Monochromacy



Original Color

20.0990, 0.2244, 0.1543



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.7966, 0.2742, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0990, 0.2244, 0.1543 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(133, 100, 235)` looks like.

```
.text, #text, p{  
    color:rgb(133, 100, 235)  
}
```

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(133, 100, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 100, 235) }
```

Border

The CSS property to change the border of an element to Yxy 20.0990, 0.2244, 0.1543 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(133, 100, 235) }
```

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

```
.border{ border-color:rgb(133, 100, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 100, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 100, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 100, 235);  
box-shadow:4px 4px 4px 4px rgb(133, 100,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0990, 0.2244, 0.1543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 100, 235) }
```

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

```
.background{ background-color: rgb(133,  
100, 235) }
```

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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