

Converting Colors

$Y_{xy}(20.1527, 0.2306, 0.1592)$

Have a look what the booklet for
Yxy(20.1527, 0.2306, 0.1592)
contains.

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Color

Yxy(20.1459, 0.2305, 0.1592)

Conversions

Conversions Part 1

Format	Color
Hex	8964E6
RGB	137, 100, 230
RGB Percent	54%, 39%, 90%
CMY	0.4624, 0.6080, 0.0980
CMYK	0.40, 0.57, 0.00, 0.10
HSL	257°, 72%, 65%
HSV	257°, 57%, 90%
XYZ	29.1685, 20.1459, 77.2302
YIQ	125.8830, -19.6780, 48.2740

Conversions

Conversions Part 2

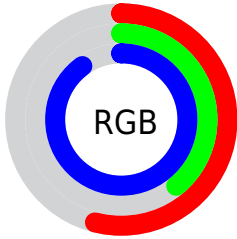
Format	Color
RYB	137, 100, 230
Decimal	9004262
CIELab	52.00, 44.15, -61.12
CIElCh	52, 75.395, 305.841
Yxy	20.1459, 0.2305, 0.1592
Android (android.graphics.Color)	4287194342 (0xFF8964E6)
YUV	125.8830, 51.3297, 9.7496
Hunter-Lab	44.8842, 37.4531, -70.5987

Details

The Yxy color **20.1459, 0.2305, 0.1592** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.8500, 0.3651, 0.4782**, and the grayscale version is **20.6512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2786, 0.2684, 0.2140**, and **7.0859, 0.2011, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **15.0557, 0.2130, 0.1294**, and if you desaturate by 10%, it is **26.6942, 0.2480, 0.1914**.

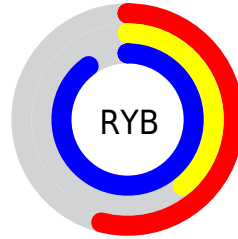
Distribution



Red (54%)

Green (39%)

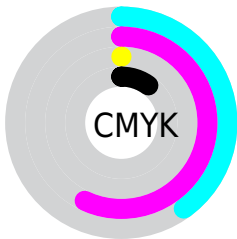
Blue (90%)



Red (54%)

Yellow (39%)

Blue (90%)

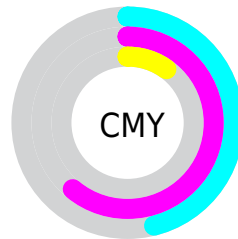


Cyan (40%)

Magenta (57%)

Yellow (0%)

Black (10%)



Cyan (46%)


Magenta (61%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1459, 0.2305, 0.1592 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 20.1459, 0.2305, 0.1592 by changing the saturation by 10% instead.


 20.1459, 0.2305,
0.1592


 20.1459, 0.2305,
0.1592


252.7039, 0.2768,
0.2412


 12.5011, 0.2180,
0.1408


 43.6617, 0.2482,
0.1877


 7.0859, 0.2017,
0.1188


 60.3015, 0.2546,
0.1988

 3.5159, 0.1800,
0.0925


 80.7084, 0.2599,
0.2084

 1.4066, 0.1505,
0.0622

 105.2668, 0.2644,
0.2167

 0.2216, 0.1120,
0.0181

134.3612, 0.2682,
0.2240

 0.0000, 0.0396,
0.0000

168.3759, 0.2715,

 0.0000, 0.0000,

0.2304

0.0000

207.6953, 0.2743,
0.2361

■ 20.1459, 0.2305,
0.1592

■ 20.1459, 0.2305,
0.1592

■ 15.0557, 0.2130,
0.1294

■ 26.6942, 0.2480,
0.1914

■ 11.3042, 0.1965,
0.1041

■ 34.8027, 0.2647,
0.2240

■ 8.7555, 0.1821,
0.0849

■ 44.5668, 0.2801,
0.2557

■ 7.2393, 0.1706,
0.0727

■ 56.0733, 0.2938,
0.2854

■ 6.8606, 0.1673,
0.0695

■ 69.4028, 0.3058,
0.3127

■ 84.6311, 0.3161,
0.3372

■ 97.9564, 0.3255,
0.3533

■ 98.4944, 0.3274,
0.3532

Harmonies

Analogous

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



20.1459, 0.1504, 0.1465



20.1459, 0.2305, 0.1592



20.1459, 0.3590, 0.2007

Triad

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



20.1459, 0.2305, 0.1592



20.1459, 0.5437, 0.4237



20.1459, 0.1446, 0.3692

Complementary

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



20.1459, 0.2305, 0.1592



68.8500, 0.3651, 0.4782

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.



20.1459, 0.2289, 0.5372



20.1459, 0.2305, 0.1592



20.1459, 0.4551, 0.5185

Square

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



20.1459, 0.2305, 0.1592



20.1459, 0.5703, 0.3400



20.1459, 0.3422, 0.5876



20.1459, 0.1093, 0.2319

Rectangle

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



20.1459, 0.2305, 0.1592



20.1459, 0.4561, 0.2419



20.1459, 0.3422, 0.5876



20.1459, 0.1673, 0.4284

Sweetspot

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



20.1466, 0.2305, 0.1592



69.9830, 0.2931, 0.2839



46.6374, 0.2312, 0.2791



14.3170, 0.2904, 0.2780



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.



20.1466, 0.2305, 0.1592



18.0269, 0.2098, 0.1244



27.3559, 0.2908, 0.1843



14.0853, 0.3025, 0.3050



3.9369, 0.1686, 0.0703



0.3369, 0.1840, 0.0787

Inverse Universe

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



29.7795, 0.3593, 0.2286



31.6669, 0.3731, 0.2136



62.1256, 0.3198, 0.5026



14.5414, 0.3181, 0.3124



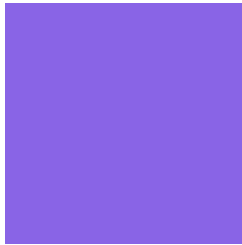
11.0710, 0.4089, 0.2026



0.8339, 0.3930, 0.1939

Previews

White Background



This preview shows how the Yxy color 20.1459, 0.2305, 0.1592 looks on a white background.

Color Contrast Check

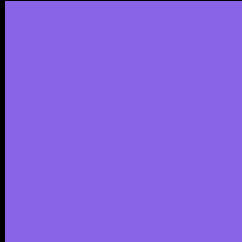
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1459, 0.2305, 0.1592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

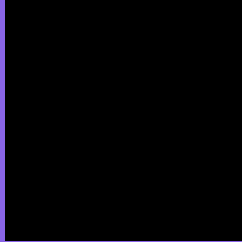
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1459, 0.2305, 0.1592

Background



This preview shows how black text looks on a background with the Yxy color 20.1459, 0.2305, 0.1592.



This preview shows how white text looks on a background with the Yxy color 20.1459, 0.2305, 0.1592.

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

20.1459, 0.2305, 0.1592

Protanopia

20.3917, 0.1763, 0.1469

Deuteranopia

20.3035, 0.1826, 0.1772



Tritanopia

20.0613, 0.2905, 0.3103

Trichromacy



Original Color

20.1459, 0.2305, 0.1592



Protanomaly

19.2527, 0.1857, 0.1472



Deuteranomaly

18.8917, 0.1865, 0.1646



Tritanomaly

19.6040, 0.2644, 0.2392

Monochromacy



Original Color

20.1459, 0.2305, 0.1592



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

20.1487, 0.2775, 0.2511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1459, 0.2305, 0.1592 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(137, 100, 230)` looks like.

```
.text, #text, p{  
    color:rgb(137, 100, 230)  
}
```

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(137, 100, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 100, 230) }
```

Border

The CSS property to change the border of an element to Yxy 20.1459, 0.2305, 0.1592 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(137, 100, 230) }
```

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

```
.border{ border-color:rgb(137, 100, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 100, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 100, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 100, 230);  
box-shadow:4px 4px 4px 4px rgb(137, 100,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1459, 0.2305, 0.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 100, 230) }
```

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

```
.background{ background-color: rgb(137,  
100, 230) }
```

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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