

Converting Colors

$Y_{xy}(20.5062, 0.1824, 0.1425)$

Have a look what the booklet for
Yxy(20.5062, 0.1824, 0.1425)
contains.

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Color

Yxy(20.5715, 0.1825, 0.1428)

Conversions

Conversions Part 1

Format	Color
Hex	4073FF
RGB	64, 115, 255
RGB Percent	25%, 45%, 100%
CMY	0.7494, 0.5490, 0.0000
CMYK	0.75, 0.55, 0.00, 0.00
HSL	224°, 100%, 63%
HSV	224°, 75%, 100%
XYZ	26.2906, 20.5715, 97.1960
YIQ	115.7110, -75.3360, 32.7280

Conversions

Conversions Part 2

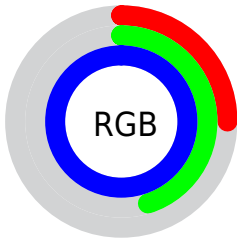
Format	Color
R _Y B	64, 104, 255
Decimal	4223999
CIE Lab	52.48, 30.62, -74.51
CIE LCh	52, 80.554, 292.340
Yxy	20.5715, 0.1825, 0.1428
Android (android.graphics.Color)	4282414079 (0xFF4073FF)
YUV	115.7110, 68.6695, -45.3505
Hunter-Lab	45.3558, 24.0953, -95.3074

Details

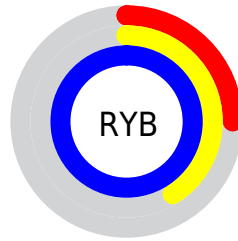
The Yxy color **20.5715, 0.1825, 0.1428** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.7657, 0.4473, 0.4546**, and the grayscale version is **17.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7267, 0.2303, 0.2187**, and **8.1655, 0.1640, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **16.0667, 0.1701, 0.1185**, and if you desaturate by 10%, it is **26.3302, 0.1979, 0.1698**.

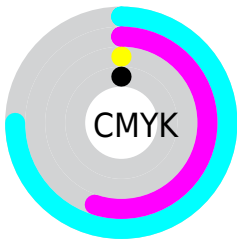
Distribution



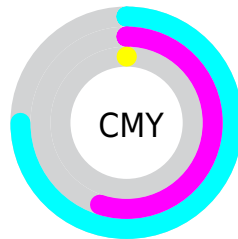
- Red (25%)
- Green (45%)
- Blue (100%)



- Red (25%)
- Yellow (41%)
- Blue (100%)



- Cyan (75%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5715, 0.1825, 0.1428 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 20.5715, 0.1825, 0.1428 by changing the saturation by 10% instead.


 20.5715, 0.1825,
0.1428


 20.5715, 0.1825,
0.1428


254.9924, 0.2504,
0.2310


 12.8111, 0.1662,
0.1240


 44.3733, 0.2070,
0.1728

 7.2986, 0.1462,
0.1020


 61.1835, 0.2163,
0.1847

 3.6496, 0.1215,
0.0769

 81.7792, 0.2242,
0.1950

 1.4795, 0.0917,
0.0494

 106.5446, 0.2310,
0.2041

 0.2743, 0.0577,
0.0155

135.8643, 0.2369,
0.2121

 0.0000, 0.0000,
0.0000

170.1225, 0.2420,

0.2191

209.7038, 0.2465,
0.2254

■ 20.5715, 0.1825,
0.1428

■ 20.5715, 0.1825,
0.1428

■ 16.0667, 0.1701,
0.1185

■ 26.3302, 0.1979,
0.1698

■ 12.7045, 0.1614,
0.0980

■ 33.4373, 0.2154,
0.1979

■ 11.3779, 0.1582,
0.0894

■ 41.9781, 0.2340,
0.2258

■ 52.0301, 0.2529,
0.2525

■ 63.6649, 0.2714,
0.2773

■ 76.9494, 0.2889,
0.2998

■ 91.9464, 0.3052,
0.3200

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



20.5715, 0.1219, 0.1433



20.5715, 0.1825, 0.1428



20.5715, 0.2944, 0.1722

Triad

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



20.5715, 0.1825, 0.1428



20.5715, 0.5772, 0.3823



20.5715, 0.1687, 0.4573

Complementary

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



20.5715, 0.1825, 0.1428



64.7657, 0.4473, 0.4546

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.



20.5715, 0.2736, 0.5974



20.5715, 0.1825, 0.1428



20.5715, 0.5052, 0.4775

Square

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



20.5715, 0.1825, 0.1428



20.5715, 0.5642, 0.3021



20.5715, 0.3935, 0.5751



20.5715, 0.1112, 0.2800

Rectangle

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



20.5715, 0.1825, 0.1428



20.5715, 0.3948, 0.2076



20.5715, 0.3935, 0.5751



20.5715, 0.1997, 0.5186

Sweetspot

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



20.5717, 0.1825, 0.1428



67.3925, 0.2766, 0.2842



76.8174, 0.2512, 0.3987



13.6870, 0.2718, 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.



20.5717, 0.1825, 0.1428



14.2294, 0.1653, 0.1076



13.8990, 0.1899, 0.1025



18.1678, 0.2979, 0.3111



6.1531, 0.1589, 0.0921



0.7697, 0.1648, 0.1133

Inverse Universe

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



26.1549, 0.5064, 0.2869



22.6629, 0.5621, 0.2941



86.1248, 0.3816, 0.5111



18.0668, 0.3252, 0.3227



11.3491, 0.5880, 0.3013



1.1222, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 20.5715, 0.1825, 0.1428 looks on a white background.

Color Contrast Check

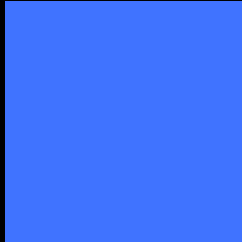
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5715, 0.1825, 0.1428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

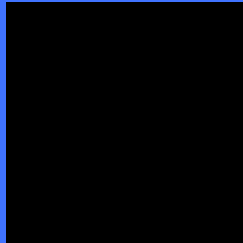
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5715, 0.1825, 0.1428

Background



This preview shows how black text looks on a background with the Yxy color 20.5715, 0.1825, 0.1428.



This preview shows how white text looks on a background with the Yxy color 20.5715, 0.1825, 0.1428.

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

20.5715, 0.1825, 0.1428

Protanopia

20.5887, 0.1737, 0.1454

Deuteranopia

20.3461, 0.1841, 0.1826



Tritanopia

20.3151, 0.2189, 0.3081

Trichromacy



Original Color

20.5715, 0.1825, 0.1428

Protanomaly

20.2948, 0.1748, 0.1435

Deuteranomaly

20.2313, 0.1812, 0.1656

Tritanomaly

19.7353, 0.1990, 0.2270

Monochromacy



Original Color

20.5715, 0.1825, 0.1428

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8222, 0.2420, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5715, 0.1825, 0.1428 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(64, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 115, 255)  
}
```

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(64, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.5715, 0.1825, 0.1428 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(64, 115, 255) }
```

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

```
.border{ border-color:rgb(64, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5715, 0.1825, 0.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 115, 255) }
```

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

```
.background{ background-color: rgb(64, 115,  
255) }
```

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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