

Converting Colors

$Y_{xy}(20.0426, 0.2022, 0.1665)$

Have a look what the booklet for
Yxy(20.0426, 0.2022, 0.1665)
contains.

Yxy(20.0366, 0.2023, 0.1665)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.0366, 0.2023, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	5A73E4
RGB	90, 115, 228
RGB Percent	35%, 45%, 89%
CMY	0.6472, 0.5490, 0.1060
CMYK	0.61, 0.50, 0.00, 0.11
HSL	229°, 72%, 62%
HSV	229°, 61%, 89%
XYZ	24.3448, 20.0366, 75.9586
YIQ	120.4070, -51.1730, 29.8430

Conversions

Conversions Part 2

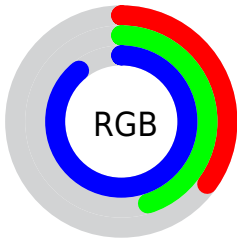
Format	Color
R _{YB}	90, 111, 228
Decimal	5927908
CIE Lab	51.88, 24.96, -60.35
CIE LCh	52, 65.303, 292.467
Yxy	20.0366, 0.2023, 0.1665
Android (android.graphics.Color)	4284117988 (0xFF5A73E4)
YUV	120.4070, 53.0433, -26.6669
Hunter-Lab	44.7623, 18.7465, -69.2776

Details

The Yxy color **20.0366, 0.2023, 0.1665** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **59.9035, 0.4136, 0.4491**, and the grayscale version is **18.7581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4367, 0.2395, 0.2224**, and **7.1128, 0.1683, 0.1258** is the 20% darker color. If you saturate the color by 10%, you get **15.2301, 0.1851, 0.1372**, and if you desaturate by 10%, it is **26.0560, 0.2214, 0.1971**.

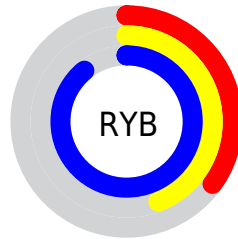
Distribution



Red (35%)

Green (45%)

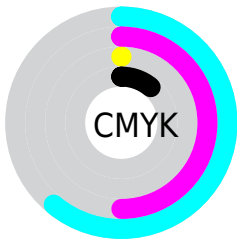
Blue (89%)



Red (35%)

Yellow (44%)

Blue (89%)

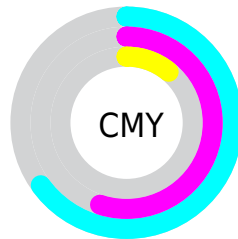


Cyan (61%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (55%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0366, 0.2023, 0.1665 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 20.0366, 0.2023, 0.1665 by changing the saturation by 10% instead.

■ 20.0366, 0.2023,
0.1665

■ 20.0366, 0.2023,
0.1665

252.1132, 0.2618,
0.2473

■ 12.4217, 0.1870,
0.1478

■ 43.4785, 0.2245,
0.1950

■ 7.0315, 0.1676,
0.1252

■ 60.0743, 0.2327,
0.2060

■ 3.4818, 0.1426,
0.0979

■ 80.4325, 0.2395,
0.2154

■ 1.3882, 0.1104,
0.0659

■ 104.9375, 0.2454,
0.2236

■ 0.2080, 0.0712,
0.0184

133.9736, 0.2504,
0.2307

■ 0.0000, 0.0000,
0.0000

167.9254, 0.2547,

0.2369

207.1771, 0.2585,
0.2424

■ 20.0366, 0.2023,
0.1665

■ 20.0366, 0.2023,
0.1665

■ 15.2301, 0.1851,
0.1372

■ 26.0560, 0.2214,
0.1971

■ 11.5493, 0.1708,
0.1111

■ 33.3635, 0.2411,
0.2275

■ 8.8972, 0.1604,
0.0898

■ 42.0301, 0.2606,
0.2563

■ 7.2110, 0.1542,
0.0751

■ 52.1210, 0.2791,
0.2828

■ 63.6971, 0.2963,
0.3068

■ 76.8157, 0.3119,
0.3280

■ 91.5311, 0.3260,
0.3465

■ 98.3796, 0.3286,
0.3552

Harmonies

Analogous

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



20.0366, 0.1461, 0.1681



20.0366, 0.2023, 0.1665



20.0366, 0.2998, 0.1935

Triad

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



20.0366, 0.2023, 0.1665



20.0366, 0.5396, 0.3873



20.0366, 0.1938, 0.4318

Complementary

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



20.0366, 0.2023, 0.1665



59.9035, 0.4136, 0.4491

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.



20.0366, 0.2875, 0.5426



20.0366, 0.2023, 0.1665



20.0366, 0.4858, 0.4687

Square

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



20.0366, 0.2023, 0.1665



20.0366, 0.5216, 0.3126



20.0366, 0.3930, 0.5402



20.0366, 0.1390, 0.2924

Rectangle

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



20.0366, 0.2023, 0.1665



20.0366, 0.3827, 0.2257



20.0366, 0.3930, 0.5402



20.0366, 0.2218, 0.4784

Sweetspot

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



20.0372, 0.2023, 0.1665



70.6372, 0.2834, 0.2889



61.9370, 0.2502, 0.3630



14.2332, 0.2782, 0.2816



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.



20.0372, 0.2023, 0.1665



18.1067, 0.1805, 0.1292



17.9493, 0.2271, 0.1486



14.3080, 0.2980, 0.3092



4.2887, 0.1548, 0.0771



0.4399, 0.1616, 0.1019

Inverse Universe

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



25.0350, 0.4679, 0.3024



26.4697, 0.5222, 0.3019



66.4300, 0.3640, 0.4894



14.4105, 0.3264, 0.3248



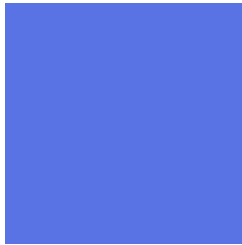
9.6307, 0.6117, 0.3143



0.7241, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 20.0366, 0.2023, 0.1665 looks on a white background.

Color Contrast Check

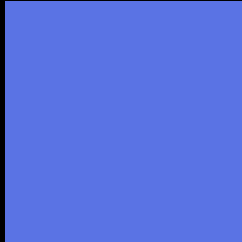
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0366, 0.2023, 0.1665 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 20.0366, 0.2023, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 20.0366, 0.2023, 0.1665.



This preview shows how white text looks on a background with the Yxy color 20.0366, 0.2023, 0.1665.

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

20.0366, 0.2023, 0.1665

Protanopia

20.0119, 0.1891, 0.1639

Deuteranopia

19.9412, 0.1827, 0.1775



Tritanopia

20.1071, 0.2320, 0.3065

Trichromacy



Original Color

20.0366, 0.2023, 0.1665

Protanomaly

20.1041, 0.1934, 0.1649

Deuteranomaly

19.3799, 0.1844, 0.1708

Tritanomaly

19.6967, 0.2180, 0.2421

Monochromacy



Original Color

20.0366, 0.2023, 0.1665

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7113, 0.2603, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0366, 0.2023, 0.1665 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(90, 115, 228)` looks like.

```
.text, #text, p{  
    color:rgb(90, 115, 228)  
}
```

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(90, 115, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 115, 228) }
```

Border

The CSS property to change the border of an element to Yxy 20.0366, 0.2023, 0.1665 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(90, 115, 228) }
```

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

```
.border{ border-color:rgb(90, 115, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 115, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 115, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 115, 228);  
box-shadow:4px 4px 4px 4px rgb(90, 115,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0366, 0.2023, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 115, 228) }
```

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

```
.background{ background-color: rgb(90, 115,  
228) }
```

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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