

Converting Colors

$Y_{xy}(20.4097, 0.2005, 0.1592)$

Have a look what the booklet for
Yxy(20.4097, 0.2005, 0.1592)
contains.

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Color

Yxy(20.4179, 0.2005, 0.1595)

Conversions

Conversions Part 1

Format	Color
Hex	5D72EC
RGB	93, 114, 236
RGB Percent	36%, 45%, 93%
CMY	0.6354, 0.5529, 0.0746
CMYK	0.61, 0.52, 0.00, 0.07
HSL	231°, 79%, 64%
HSV	231°, 61%, 93%
XYZ	25.6664, 20.4179, 81.9276
YIQ	121.6290, -51.6780, 33.4900

Conversions

Conversions Part 2

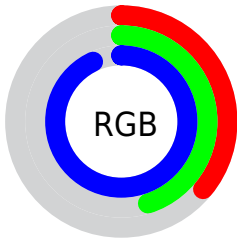
Format	Color
R _Y B	93, 111, 236
Decimal	6124268
CIE Lab	52.31, 28.76, -64.14
CIE LCh	52, 70.290, 294.149
Yxy	20.4179, 0.2005, 0.1595
Android (android.graphics.Color)	4284314348 (0xFF5D72EC)
YUV	121.6290, 56.3849, -25.1076
Hunter-Lab	45.1862, 22.3147, -75.8691

Details

The Yxy color **20.4179, 0.2005, 0.1595** 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 **67.1857, 0.4107, 0.4535**, and the grayscale version is **19.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3625, 0.2412, 0.2217**, and **7.2690, 0.1665, 0.1193** is the 20% darker color. If you saturate the color by 10%, you get **15.3196, 0.1830, 0.1297**, and if you desaturate by 10%, it is **26.8959, 0.2200, 0.1911**.

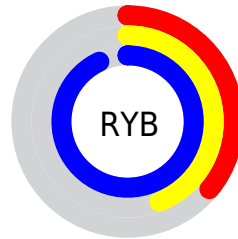
Distribution



Red (36%)

Green (45%)

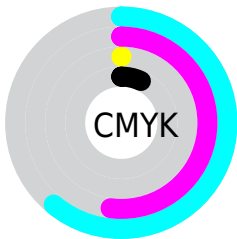
Blue (93%)



Red (36%)

Yellow (44%)

Blue (93%)

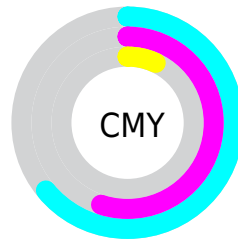


Cyan (61%)

Magenta (52%)

Yellow (0%)

Black (7%)



Cyan (64%)

Magenta (55%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4179, 0.2005, 0.1595 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 20.4179, 0.2005, 0.1595 by changing the saturation by 10% instead.

■ 20.4179, 0.2005,
0.1595

■ 20.4179, 0.2005,
0.1595

254.1686, 0.2607,
0.2423

■ 12.6992, 0.1853,
0.1408

■ 44.1167, 0.2228,
0.1884

■ 7.2217, 0.1660,
0.1185

■ 60.8656, 0.2311,
0.1996

■ 3.6012, 0.1414,
0.0919

■ 81.3934, 0.2380,
0.2093

■ 1.4531, 0.1101,
0.0614

■ 106.0843, 0.2439,
0.2177

■ 0.2553, 0.0722,
0.0194

135.3229, 0.2490,
0.2250

■ 0.0000, 0.0000,
0.0000

169.4936, 0.2534,

0.2315

208.9807, 0.2573,
0.2372

■ 20.4179, 0.2005,
0.1595

■ 20.4179, 0.2005,
0.1595

■ 15.3196, 0.1830,
0.1297

■ 26.8959, 0.2200,
0.1911

■ 11.4967, 0.1687,
0.1038

■ 34.8437, 0.2401,
0.2226

■ 8.8323, 0.1586,
0.0835

■ 44.3456, 0.2600,
0.2528

■ 7.2408, 0.1529,
0.0704

■ 55.4789, 0.2788,
0.2806

■ 68.3160, 0.2961,
0.3056

■ 82.9247, 0.3118,
0.3278

■ 98.7656, 0.3238,
0.3473

■ 98.8348, 0.3238,
0.3474

Harmonies

Analogous

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



20.4179, 0.1403, 0.1590



20.4179, 0.2005, 0.1595



20.4179, 0.3053, 0.1890

Triad

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



20.4179, 0.2005, 0.1595



20.4179, 0.5504, 0.3910



20.4179, 0.1814, 0.4304

Complementary

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



20.4179, 0.2005, 0.1595



67.1857, 0.4107, 0.4535

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.



20.4179, 0.2773, 0.5561



20.4179, 0.2005, 0.1595



20.4179, 0.4877, 0.4774

Square

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



20.4179, 0.2005, 0.1595



20.4179, 0.5387, 0.3138



20.4179, 0.3877, 0.5552



20.4179, 0.1280, 0.2815

Rectangle

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



20.4179, 0.2005, 0.1595



20.4179, 0.3945, 0.2232



20.4179, 0.3877, 0.5552



20.4179, 0.2096, 0.4824

Sweetspot

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



20.4185, 0.2005, 0.1595



69.8271, 0.2833, 0.2871



67.1856, 0.2479, 0.3567



14.0393, 0.2781, 0.2795



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.



20.4185, 0.2005, 0.1595



16.8899, 0.1788, 0.1223



19.7201, 0.2308, 0.1498



14.9066, 0.2980, 0.3083



4.1058, 0.1534, 0.0721



0.4332, 0.1592, 0.0931

Inverse Universe

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



26.8678, 0.4756, 0.3077



26.3468, 0.5311, 0.3076



71.1975, 0.3606, 0.4919



15.0902, 0.3270, 0.3256



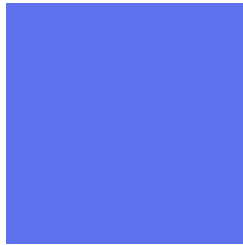
9.9073, 0.6197, 0.3188



0.7891, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 20.4179, 0.2005, 0.1595 looks on a white background.

Color Contrast Check

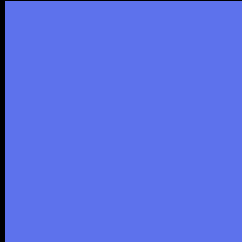
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4179, 0.2005, 0.1595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

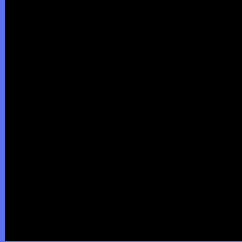
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4179, 0.2005, 0.1595

Background



This preview shows how black text looks on a background with the Yxy color 20.4179, 0.2005, 0.1595.

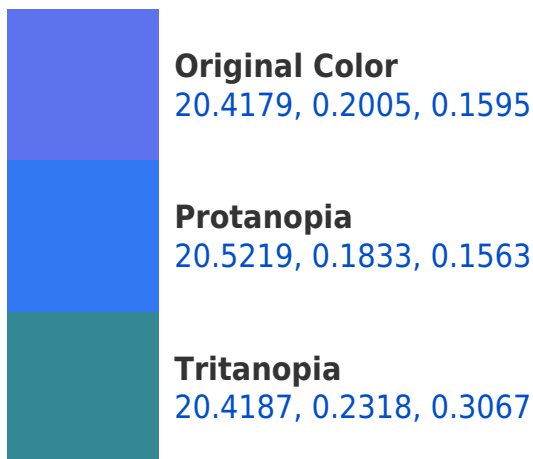


This preview shows how white text looks on a background with the Yxy color 20.4179, 0.2005, 0.1595.

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



Trichromacy



Original Color

20.4179, 0.2005, 0.1595

Protanomaly

20.4064, 0.1882, 0.1570

Tritanomaly

19.8513, 0.2169, 0.2378

Monochromacy



Original Color

20.4179, 0.2005, 0.1595

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2175, 0.2590, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4179, 0.2005, 0.1595 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(93, 114, 236)` looks like.

```
.text, #text, p{  
    color:rgb(93, 114, 236)  
}
```

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(93, 114, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 114, 236) }
```

Border

The CSS property to change the border of an element to Yxy 20.4179, 0.2005, 0.1595 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(93, 114, 236) }
```

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

```
.border{ border-color:rgb(93, 114, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 114, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 114, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 114, 236);  
box-shadow:4px 4px 4px 4px rgb(93, 114,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 20.4179, 0.2005, 0.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 114, 236) }
```

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

```
.background{ background-color: rgb(93, 114,  
236) }
```

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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