

Converting Colors

$Yxy(20.3045, 0.2126, 0.1777)$

Have a look what the booklet for
Yxy(20.3045, 0.2126, 0.1777)
contains.

Yxy(20.3146, 0.2126, 0.1778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3146, 0.2126, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	6474DB
RGB	100, 116, 219
RGB Percent	39%, 45%, 86%
CMY	0.6076, 0.5451, 0.1412
CMYK	0.54, 0.47, 0.00, 0.14
HSL	232°, 62%, 63%
HSV	232°, 54%, 86%
XYZ	24.2907, 20.3146, 69.6501
YIQ	122.9580, -42.5990, 28.6410

Conversions

Conversions Part 2

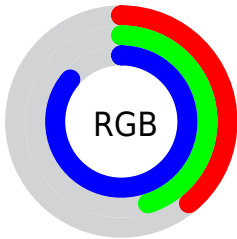
Format	Color
R _{YB}	100, 114, 219
Decimal	6583515
CIE _{Lab}	52.19, 23.37, -54.76
CIE _{LCh}	52, 59.535, 293.116
Y _{xy}	20.3146, 0.2126, 0.1778
Android (android.graphics.Color)	4284773595 (0xFF6474DB)
YUV	122.9580, 47.3487, -20.1342
Hunter-Lab	45.0717, 17.3242, -60.0716

Details

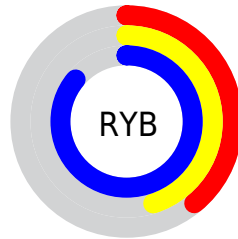
The Yxy color **20.3146, 0.2126, 0.1778** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **58.7216, 0.4000, 0.4441**, and the grayscale version is **19.6484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4944, 0.2442, 0.2248**, and **7.1187, 0.1796, 0.1369** is the 20% darker color. If you saturate the color by 10%, you get **15.2942, 0.1936, 0.1465**, and if you desaturate by 10%, it is **26.5645, 0.2327, 0.2098**.

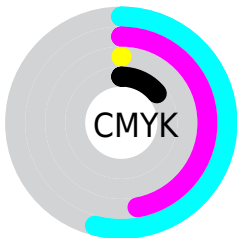
Distribution



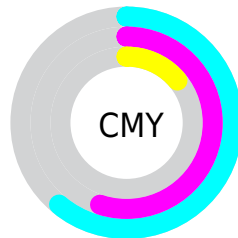
- Red (39%)
- Green (45%)
- Blue (86%)



- Red (39%)
- Yellow (45%)
- Blue (86%)



- Cyan (54%)
- Magenta (47%)
- Yellow (0%)
- Black (14%)



- Cyan (61%)
- Magenta (55%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3146, 0.2126, 0.1778 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 20.3146, 0.2126, 0.1778 by changing the saturation by 10% instead.

■ 20.3146, 0.2126,
0.1778

■ 20.3146, 0.2126,
0.1778

■ 253.6132, 0.2671,
0.2540

■ 12.6239, 0.1983,
0.1597

■ 43.9440, 0.2331,
0.2051

■ 7.1701, 0.1798,
0.1374

■ 60.6515, 0.2407,
0.2155

■ 3.5687, 0.1555,
0.1098

■ 81.1335, 0.2469,
0.2244

■ 1.4354, 0.1232,
0.0764

■ 105.7742, 0.2522,
0.2320

■ 0.2426, 0.0823,
0.0249

■ 134.9582, 0.2568,
0.2386

■ 0.0000, 0.0000,
0.0000

169.0697, 0.2607,

0.2444

208.4933, 0.2641,
0.2495

■ 20.3146, 0.2126,
0.1778

■ 20.3146, 0.2126,
0.1778

■ 15.2942, 0.1936,
0.1465

■ 26.5645, 0.2327,
0.2098

■ 11.4192, 0.1771,
0.1179

■ 34.1164, 0.2528,
0.2409

■ 8.5974, 0.1642,
0.0940

■ 43.0397, 0.2721,
0.2699

■ 6.7214, 0.1557,
0.0764


■ 53.3979, 0.2900,
0.2963

■ 6.0085, 0.1526,
0.0693

■ 65.2510, 0.3062,
0.3198

 78.6550, 0.3208,
0.3404

 93.6634, 0.3337,
0.3583

 97.8938, 0.3340,
0.3641

Harmonies

Analogous

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



20.3146, 0.1583, 0.1793



20.3146, 0.2126, 0.1778



20.3146, 0.3040, 0.2039

Triad

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



20.3146, 0.2126, 0.1778



20.3146, 0.5217, 0.3891



20.3146, 0.2030, 0.4189

Complementary

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



20.3146, 0.2126, 0.1778



58.7216, 0.4000, 0.4441

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.



20.3146, 0.2903, 0.5191



20.3146, 0.2126, 0.1778



20.3146, 0.4739, 0.4640

Square

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



20.3146, 0.2126, 0.1778



20.3146, 0.5043, 0.3178



20.3146, 0.3886, 0.5243



20.3146, 0.1512, 0.2952

Rectangle

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



20.3146, 0.2126, 0.1778



20.3146, 0.3796, 0.2347



20.3146, 0.3886, 0.5243



20.3146, 0.2291, 0.4601

Sweetspot

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



20.3153, 0.2126, 0.1778



72.5561, 0.2868, 0.2917



57.5940, 0.2524, 0.3532



14.8606, 0.2832, 0.2863



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.



20.3153, 0.2126, 0.1778



20.8224, 0.1914, 0.1427



19.9640, 0.2416, 0.1695



12.8969, 0.2981, 0.3081



3.6542, 0.1530, 0.0709



0.3299, 0.1596, 0.0943

Inverse Universe

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



25.4458, 0.4511, 0.3109



29.6040, 0.4987, 0.3094



60.9683, 0.3575, 0.4754



13.0798, 0.3271, 0.3259



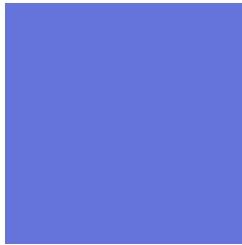
8.9927, 0.6218, 0.3199



0.5920, 0.5845, 0.2993

Previews

White Background



This preview shows how the Yxy color 20.3146, 0.2126, 0.1778 looks on a white background.

Color Contrast Check

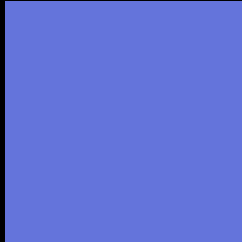
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3146, 0.2126, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

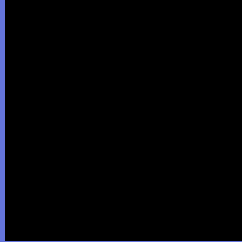
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3146, 0.2126, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 20.3146, 0.2126, 0.1778.



This preview shows how white text looks on a background with the Yxy color 20.3146, 0.2126, 0.1778.

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

20.3146, 0.2126, 0.1778

Protanopia

20.5124, 0.1978, 0.1755

Deuteranopia

20.5358, 0.1920, 0.1864



Tritanopia

20.2051, 0.2457, 0.3070

Trichromacy



Original Color

20.3146, 0.2126, 0.1778

Protanomaly

20.3066, 0.2022, 0.1759

Deuteranomaly

20.1393, 0.1968, 0.1813

Tritanomaly

19.9580, 0.2317, 0.2499

Monochromacy



Original Color

20.3146, 0.2126, 0.1778

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.5464, 0.2676, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3146, 0.2126, 0.1778 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(100, 116, 219)` looks like.

```
.text, #text, p{  
    color:rgb(100, 116, 219)  
}
```

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(100, 116, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 116, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.3146, 0.2126, 0.1778 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(100, 116, 219) }
```

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

```
.border{ border-color:rgb(100, 116, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 116, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 116, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 116, 219);  
box-shadow:4px 4px 4px 4px rgb(100, 116,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3146, 0.2126, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 116, 219) }
```

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

```
.background{ background-color: rgb(100,  
116, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor