

Converting Colors

$Y_{xy}(21.0725, 0.2132, 0.2060)$

Have a look what the booklet for
Yxy(21.0725, 0.2132, 0.2060)
contains.

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Color

$\text{Yxy}(21.0725, 0.2132, 0.2060)$

Conversions

Conversions Part 1

Format	Color
Hex	537ECB
RGB	83, 126, 203
RGB Percent	33%, 49%, 80%
CMY	0.6744, 0.5059, 0.2040
CMYK	0.59, 0.38, 0.00, 0.20
HSL	219°, 54%, 56%
HSV	219°, 59%, 80%
XYZ	21.8090, 21.0725, 59.4122
YIQ	121.9210, -50.3450, 14.8310

Conversions

Conversions Part 2

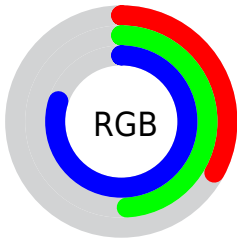
Format	Color
R_{YB}	83, 115, 203
Decimal	5471947
CIE _{Lab}	53.03, 8.57, -44.42
CIE _{LCh}	53, 45.235, 280.916
Yxy	21.0725, 0.2132, 0.2060
Android (android.graphics.Color)	4283662027 (0xFF537ECB)
YUV	121.9210, 39.9719, -34.1337
Hunter-Lab	45.9048, 4.4706, -44.6026

Details

The Yxy color **21.0725, 0.2132, 0.2060** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **38.4743, 0.4269, 0.4237**, and the grayscale version is **19.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7235, 0.2359, 0.2347**, and **7.5933, 0.1807, 0.1698** is the 20% darker color. If you saturate the color by 10%, you get **17.1626, 0.1976, 0.1812**, and if you desaturate by 10%, it is **25.6881, 0.2302, 0.2305**.

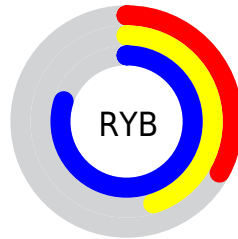
Distribution



Red (33%)

Green (49%)

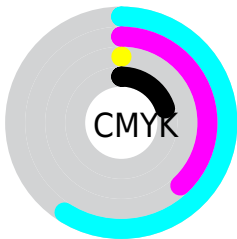
Blue (80%)



Red (33%)

Yellow (45%)

Blue (80%)

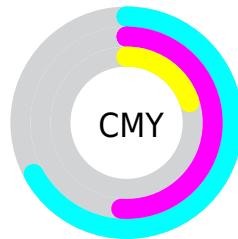


Cyan (59%)

Magenta (38%)

Yellow (0%)

Black (20%)



Cyan (67%)

Magenta (51%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0725, 0.2132, 0.2060 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 21.0725, 0.2132, 0.2060 by changing the saturation by 10% instead.

■ 21.0725, 0.2132,
0.2060

■ 21.0725, 0.2132,
0.2060

■ 257.6635, 0.2670,
0.2706

■ 13.1770, 0.1989,
0.1895

■ 45.2082, 0.2335,
0.2299

■ 7.5505, 0.1804,
0.1685

■ 62.2171, 0.2409,
0.2388

■ 3.8087, 0.1557,
0.1412

■ 83.0327, 0.2471,
0.2463

■ 1.5672, 0.1223,
0.1055

■ 108.0393, 0.2523,
0.2526

■ 0.3353, 0.0740,
0.0470

■ 137.6213, 0.2568,
0.2581

■ 0.0000, 0.0000,
0.0000

172.1630, 0.2607,

0.2628

212.0490, 0.2640,
0.2670

■ 21.0725, 0.2132,
0.2060

■ 21.0725, 0.2132,
0.2060

■ 17.1626, 0.1976,
0.1812

■ 25.6881, 0.2302,
0.2305

■ 13.9154, 0.1841,
0.1572

■ 31.0444, 0.2477,
0.2540

■ 11.2851, 0.1734,
0.1348

■ 37.1765, 0.2653,
0.2760

■ 9.2046, 0.1655,
0.1150

■ 44.1161, 0.2824,
0.2961

■ 9.0365, 0.1648,
0.1133

■ 51.8932, 0.2988,
0.3142

■ 60.5362, 0.3141,
0.3304

■ 70.0720, 0.3283,
0.3447

■ 80.5263, 0.3413,
0.3572

■ 89.8309, 0.3458,
0.3691

Harmonies

Analogous

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



21.0725, 0.1793, 0.2198



21.0725, 0.2132, 0.2060



21.0725, 0.2755, 0.2181

Triad

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



21.0725, 0.2132, 0.2060



21.0725, 0.4741, 0.3599



21.0725, 0.2564, 0.4295

Complementary

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



21.0725, 0.2132, 0.2060



38.4743, 0.4269, 0.4237

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.



21.0725, 0.3323, 0.4789



21.0725, 0.2132, 0.2060



21.0725, 0.4608, 0.4191

Square

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



21.0725, 0.2132, 0.2060



21.0725, 0.4355, 0.3018



21.0725, 0.4071, 0.4675



21.0725, 0.2000, 0.3417

Rectangle

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



21.0725, 0.2132, 0.2060



21.0725, 0.3296, 0.2385



21.0725, 0.4071, 0.4675



21.0725, 0.2805, 0.4525

Sweetspot

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



21.0732, 0.2132, 0.2060



74.9314, 0.2839, 0.2977



47.0523, 0.2632, 0.3971



15.2667, 0.2789, 0.2920



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.



21.0732, 0.2132, 0.2060



27.0775, 0.1935, 0.1742



13.1587, 0.2109, 0.1459



11.4906, 0.2983, 0.3137



5.9089, 0.1655, 0.1159



0.4476, 0.1767, 0.1560

Inverse Universe

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



20.3943, 0.4261, 0.2760



28.0087, 0.4668, 0.2705



53.8976, 0.3821, 0.4744



11.2789, 0.3235, 0.3207



8.3995, 0.5526, 0.2818



0.4477, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 21.0725, 0.2132, 0.2060 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 21.0725, 0.2132, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

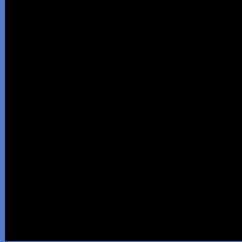
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0725, 0.2132, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 21.0725, 0.2132, 0.2060.



This preview shows how white text looks on a background with the Yxy color 21.0725, 0.2132, 0.2060.

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

21.0725, 0.2132, 0.2060

Protanopia

21.1737, 0.2223, 0.2076

Deuteranopia

20.9828, 0.2120, 0.2057



Tritanopia

20.9592, 0.2358, 0.3070

Trichromacy



Original Color

21.0725, 0.2132, 0.2060

Protanomaly

21.2068, 0.2188, 0.2071

Deuteranomaly

21.0273, 0.2126, 0.2058

Tritanomaly

20.8312, 0.2264, 0.2644

Monochromacy



Original Color

21.0725, 0.2132, 0.2060

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5884, 0.2674, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0725, 0.2132, 0.2060 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(83, 126, 203)` looks like.

```
.text, #text, p{  
  color:rgb(83, 126, 203)  
}
```

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(83, 126, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 126, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.0725, 0.2132, 0.2060 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(83, 126, 203) }
```

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

```
.border{ border-color:rgb(83, 126, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 126, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 126, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 126, 203);  
box-shadow:4px 4px 4px 4px rgb(83, 126,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0725, 0.2132, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 126, 203) }
```

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

```
.background{ background-color: rgb(83, 126,  
203) }
```

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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