

Converting Colors

$Y_{xy}(21.6372, 0.1940, 0.2119)$

Have a look what the booklet for
Yxy(21.6372, 0.1940, 0.2119)
contains.

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Color

Yxy(21.6067, 0.1938, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	1486CD
RGB	20, 134, 205
RGB Percent	8%, 53%, 80%
CMY	0.9227, 0.4744, 0.1961
CMYK	0.90, 0.35, 0.00, 0.20
HSL	203°, 82%, 44%
HSV	203°, 90%, 80%
XYZ	19.8266, 21.6067, 60.8711
YIQ	108.0080, -90.7350, -2.0870

Conversions

Conversions Part 2

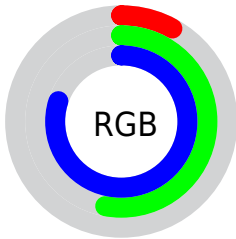
Format	Color
R_{YB}	20, 91, 205
Decimal	1345229
CIE _{Lab}	53.61, -3.50, -44.75
CIE _{LCh}	54, 44.882, 265.530
Yxy	21.6067, 0.1938, 0.2112
Android (android.graphics.Color)	4279535309 (0xFF1486CD)
YUV	108.0080, 47.8171, -77.1830
Hunter-Lab	46.4830, -5.2089, -45.1043

Details

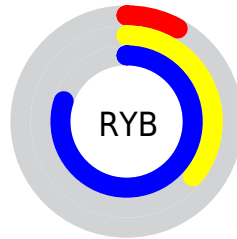
The Yxy color **21.6067, 0.1938, 0.2112** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.4550, 0.5522, 0.3894**, and the grayscale version is **14.8590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6442, 0.2199, 0.2424**, and **8.6990, 0.1842, 0.1830** is the 20% darker color. If you saturate the color by 10%, you get **19.4469, 0.1882, 0.1974**, and if you desaturate by 10%, it is **24.1693, 0.2014, 0.2259**.

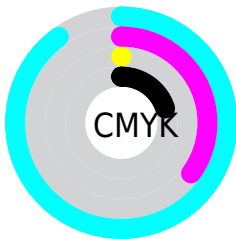
Distribution



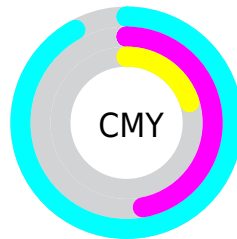
- Red (8%)
- Green (53%)
- Blue (80%)



- Red (8%)
- Yellow (36%)
- Blue (80%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6067, 0.1938, 0.2112 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 21.6067, 0.1938, 0.2112 by changing the saturation by 10% instead.

■ 21.6067, 0.1938,
0.2112

■ 21.6067, 0.1938,
0.2112

■ 260.4854, 0.2567,
0.2742

■ 13.5682, 0.1777,
0.1948

■ 46.0951, 0.2171,
0.2347

■ 7.8210, 0.1573,
0.1738

■ 63.3138, 0.2257,
0.2434

■ 3.9806, 0.1308,
0.1464

■ 84.3613, 0.2330,
0.2507

■ 1.6627, 0.0964,
0.1103

■ 109.6221, 0.2392,
0.2568

■ 0.3993, 0.0404,
0.0548

■ 139.4805, 0.2445,
0.2621

■ 0.0000, 0.0000,
0.0000

174.3209, 0.2491,

0.2667

214.5278, 0.2531,
0.2707

■ 21.6067, 0.1938,
0.2112

■ 21.6067, 0.1938,
0.2112

■ 19.4469, 0.1882,
0.1974

■ 24.1693, 0.2014,
0.2259

■ 27.1136, 0.2112,
0.2407

■ 30.4739, 0.2229,
0.2555

■ 34.2787, 0.2361,
0.2698

■ 38.5533, 0.2505,
0.2834

■ 43.3208, 0.2657,
0.2963

■ 48.6024, 0.2812,
0.3081

■ 54.4177, 0.2968,
0.3189

■ 60.7853, 0.3121,
0.3287

Harmonies

Analogous

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



21.6067, 0.1749, 0.2400



21.6067, 0.1938, 0.2112



21.6067, 0.2413, 0.2105

Triad

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



21.6067, 0.1938, 0.2112



21.6067, 0.4583, 0.3298



21.6067, 0.2946, 0.4600

Complementary

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



21.6067, 0.1938, 0.2112



20.4550, 0.5522, 0.3894

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.



21.6067, 0.3715, 0.4774



21.6067, 0.1938, 0.2112



21.6067, 0.4714, 0.3886

Square

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



21.6067, 0.1938, 0.2112



21.6067, 0.3974, 0.2755



21.6067, 0.4369, 0.4439



21.6067, 0.2268, 0.3873

Rectangle

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



21.6067, 0.1938, 0.2112



21.6067, 0.2878, 0.2234



21.6067, 0.4369, 0.4439



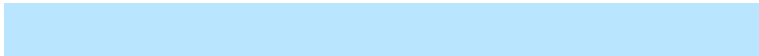
21.6067, 0.3203, 0.4728

Sweetspot

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



21.6074, 0.1938, 0.2112



73.5099, 0.2703, 0.3000



44.4986, 0.2812, 0.5245



15.1171, 0.2650, 0.2957



0.0000, 0.0000, 0.0000



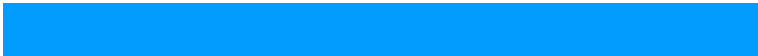
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6074, 0.1938, 0.2112



31.4422, 0.1877, 0.1957



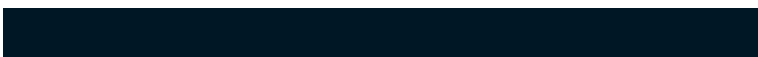
6.3858, 0.1588, 0.0830



11.9771, 0.2983, 0.3199



12.2975, 0.1888, 0.1995



0.7784, 0.1966, 0.2276

Inverse Universe

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



15.1888, 0.4318, 0.2207



23.7053, 0.4502, 0.2254



45.7820, 0.4399, 0.4832



11.3281, 0.3195, 0.3148



9.0444, 0.4459, 0.2230



0.4811, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 21.6067, 0.1938, 0.2112 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 21.6067, 0.1938, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

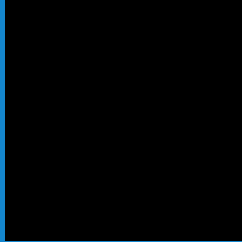
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6067, 0.1938, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 21.6067, 0.1938, 0.2112.



This preview shows how white text looks on a background with the Yxy color 21.6067, 0.1938, 0.2112.

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

21.6067, 0.1938, 0.2112

Protanopia

21.4652, 0.2278, 0.2146

Deuteranopia

21.5568, 0.2103, 0.2052



Tritanopia

21.6130, 0.2191, 0.3087

Trichromacy



Original Color

21.6067, 0.1938, 0.2112

Protanomaly

20.9481, 0.2089, 0.2110

Deuteranomaly

21.2914, 0.2011, 0.2057

Tritanomaly

21.4507, 0.2086, 0.2684

Monochromacy



Original Color

21.6067, 0.1938, 0.2112

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.2422, 0.2427, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6067, 0.1938, 0.2112 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(20, 134, 205)` looks like.

```
.text, #text, p{  
    color:rgb(20, 134, 205)  
}
```

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(20, 134, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 134, 205) }
```

Border

The CSS property to change the border of an element to Yxy 21.6067, 0.1938, 0.2112 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(20, 134, 205) }
```

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

```
.border{ border-color:rgb(20, 134, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 134, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 134, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 134, 205);  
box-shadow:4px 4px 4px 4px rgb(20, 134,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6067, 0.1938, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 134, 205) }
```

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

```
.background{ background-color: rgb(20, 134,  
205) }
```

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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