

Converting Colors

$Y_{xy}(20.9273, 0.1904, 0.1986)$

Have a look what the booklet for
Yxy(20.9273, 0.1904, 0.1986)
contains.

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Color

Yxy(20.8278, 0.1901, 0.1975)

Conversions

Conversions Part 1

Format	Color
Hex	1582D3
RGB	21, 130, 211
RGB Percent	8%, 51%, 83%
CMY	0.9177, 0.4902, 0.1726
CMYK	0.90, 0.38, 0.00, 0.17
HSL	206°, 82%, 45%
HSV	206°, 90%, 83%
XYZ	20.0474, 20.8278, 64.5820
YIQ	106.6430, -90.9650, 2.0830

Conversions

Conversions Part 2

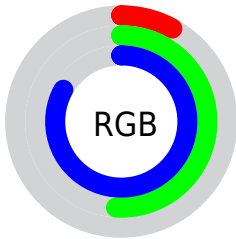
Format	Color
R_{YB}	21, 90, 211
Decimal	1409747
CIE _{Lab}	52.76, 1.25, -49.49
CIE _{LCh}	53, 49.504, 271.445
Yxy	20.8278, 0.1901, 0.1975
Android (android.graphics.Color)	4279599827 (0xFF1582D3)
YUV	106.6430, 51.4480, -75.1089
Hunter-Lab	45.6375, -1.4550, -51.9556

Details

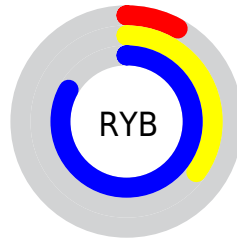
The Yxy color **20.8278, 0.1901, 0.1975** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.3947, 0.5409, 0.3986**, and the grayscale version is **14.4718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6792, 0.2193, 0.2359**, and **8.2852, 0.1796, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **18.3935, 0.1838, 0.1818**, and if you desaturate by 10%, it is **23.6608, 0.1984, 0.2139**.

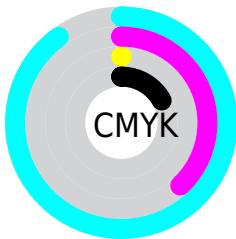
Distribution



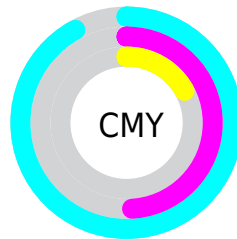
- Red (8%)
- Green (51%)
- Blue (83%)



- Red (8%)
- Yellow (35%)
- Blue (83%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)



- Cyan (92%)
- Magenta (49%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8278, 0.1901, 0.1975 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 20.8278, 0.1901, 0.1975 by changing the saturation by 10% instead.

■ 20.8278, 0.1901,
0.1975

■ 20.8278, 0.1901,
0.1975

256.3619, 0.2550,
0.2668

■ 12.9982, 0.1736,
0.1800

■ 44.8008, 0.2141,
0.2230

■ 7.4273, 0.1528,
0.1579

■ 61.7129, 0.2230,
0.2326

■ 3.7307, 0.1260,
0.1297

■ 82.4214, 0.2305,
0.2406

■ 1.5241, 0.0918,
0.0938

■ 107.3105, 0.2369,
0.2474

■ 0.3056, 0.0397,
0.0378

■ 136.7647, 0.2424,
0.2533

■ 0.0000, 0.0000,
0.0000

171.1685, 0.2471,

0.2584

210.9061, 0.2513,
0.2628

■ 20.8278, 0.1901,
0.1975

■ 20.8278, 0.1901,
0.1975

■ 18.3935, 0.1838,
0.1818

■ 23.6608, 0.1984,
0.2139

■ 26.9415, 0.2088,
0.2305

■ 30.7075, 0.2212,
0.2471

■ 34.9909, 0.2351,
0.2631

■ 39.8202, 0.2500,
0.2785

■ 45.2212, 0.2656,
0.2928

■ 51.2179, 0.2815,
0.3061

■ 57.8326, 0.2972,
0.3181

■ 65.0862, 0.3126,
0.3289

Harmonies

Analogous

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



20.8278, 0.1638, 0.2212



20.8278, 0.1901, 0.1975



20.8278, 0.2473, 0.2025

Triad

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



20.8278, 0.1901, 0.1975



20.8278, 0.4824, 0.3403



20.8278, 0.2748, 0.4654

Complementary

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



20.8278, 0.1901, 0.1975



23.3947, 0.5409, 0.3986

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.



20.8278, 0.3591, 0.4966



20.8278, 0.1901, 0.1975



20.8278, 0.4839, 0.4043

Square

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



20.8278, 0.1901, 0.1975



20.8278, 0.4237, 0.2805



20.8278, 0.4357, 0.4643



20.8278, 0.2055, 0.3741

Rectangle

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



20.8278, 0.1901, 0.1975



20.8278, 0.3017, 0.2196



20.8278, 0.4357, 0.4643



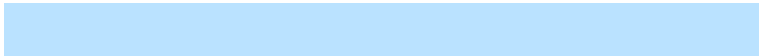
20.8278, 0.3024, 0.4842

Sweetspot

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



20.8284, 0.1901, 0.1975



71.8843, 0.2700, 0.2966



47.6637, 0.2771, 0.5098



14.7332, 0.2646, 0.2919



0.0000, 0.0000, 0.0000



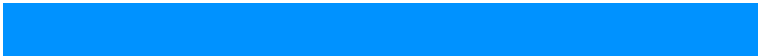
21.4041, 0.3127, 0.3290

Same Dimension

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



20.8284, 0.1901, 0.1975



27.8774, 0.1834, 0.1801



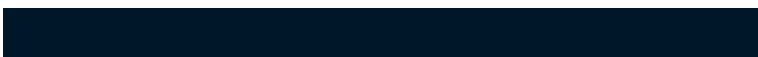
6.1729, 0.1570, 0.0762



12.5278, 0.2983, 0.3188



11.3090, 0.1845, 0.1841



0.7880, 0.1926, 0.2133

Inverse Universe

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



15.9941, 0.4469, 0.2294



23.3454, 0.4684, 0.2354



52.9992, 0.4309, 0.4906



11.9203, 0.3202, 0.3157



9.2129, 0.4636, 0.2328



0.5308, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 20.8278, 0.1901, 0.1975 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 20.8278, 0.1901, 0.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

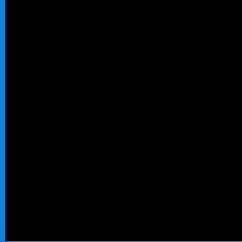
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8278, 0.1901, 0.1975

Background



This preview shows how black text looks on a background with the Yxy color 20.8278, 0.1901, 0.1975.



This preview shows how white text looks on a background with the Yxy color 20.8278, 0.1901, 0.1975.

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

20.8278, 0.1901, 0.1975

Protanopia

20.6059, 0.2174, 0.2002

Deuteranopia

20.7319, 0.1994, 0.1932



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.8278, 0.1901, 0.1975

Protanomaly

20.3655, 0.2027, 0.1975

Deuteranomaly

20.5606, 0.1944, 0.1932

Tritanomaly

20.6385, 0.2066, 0.2608

Monochromacy



Original Color

20.8278, 0.1901, 0.1975

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.8423, 0.2404, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8278, 0.1901, 0.1975 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(21, 130, 211)` looks like.

```
.text, #text, p{  
    color:rgb(21, 130, 211)  
}
```

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(21, 130, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 130, 211) }
```

Border

The CSS property to change the border of an element to Yxy 20.8278, 0.1901, 0.1975 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(21, 130, 211) }
```

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

```
.border{ border-color:rgb(21, 130, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 130, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 130, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 130, 211);  
box-shadow:4px 4px 4px 4px rgb(21, 130,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8278, 0.1901, 0.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 130, 211) }
```

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

```
.background{ background-color: rgb(21, 130,  
211) }
```

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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