

Converting Colors

$Y_{xy}(20.7501, 0.1933, 0.2030)$

Have a look what the booklet for
Yxy(20.7501, 0.1933, 0.2030)
contains.

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Color

$\text{Yxy}(20.7616, 0.1931, 0.2024)$

Conversions

Conversions Part 1

Format	Color
Hex	1F82CF
RGB	31, 130, 207
RGB Percent	12%, 51%, 81%
CMY	0.8792, 0.4902, 0.1882
CMYK	0.85, 0.37, 0.00, 0.19
HSL	206°, 74%, 47%
HSV	206°, 85%, 81%
XYZ	19.8076, 20.7616, 62.0078
YIQ	109.1770, -83.7210, 2.9590

Conversions

Conversions Part 2

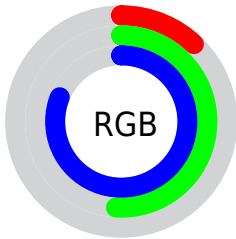
Format	Color
R_{YB}	31, 94, 207
Decimal	2065103
CIE _{Lab}	52.69, 0.37, -47.35
CIE _{LCh}	53, 47.352, 270.449
Yxy	20.7616, 0.1931, 0.2024
Android (android.graphics.Color)	4280255183 (0xFF1F82CF)
YUV	109.1770, 48.2267, -68.5612
Hunter-Lab	45.5649, -2.1424, -48.7905

Details

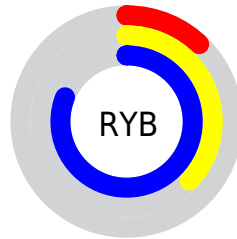
The Yxy color **20.7616, 0.1931, 0.2024** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.0550, 0.5251, 0.4032**, and the grayscale version is **15.2100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2751, 0.2208, 0.2375**, and **8.1519, 0.1809, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **18.2367, 0.1858, 0.1860**, and if you desaturate by 10%, it is **23.7052, 0.2026, 0.2194**.

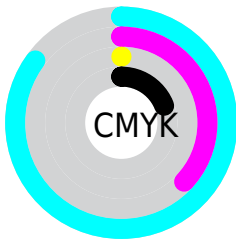
Distribution



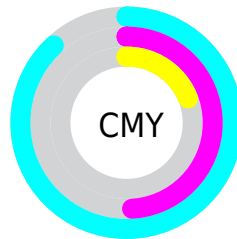
- Red (12%)
- Green (51%)
- Blue (81%)



- Red (12%)
- Yellow (37%)
- Blue (81%)



- Cyan (85%)
- Magenta (37%)
- Yellow (0%)
- Black (19%)



- Cyan (88%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7616, 0.1931, 0.2024 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 20.7616, 0.1931, 0.2024 by changing the saturation by 10% instead.

■ 20.7616, 0.1931,
0.2024

■ 20.7616, 0.1931,
0.2024

■ 256.0088, 0.2566,
0.2696

■ 12.9499, 0.1768,
0.1852

■ 44.6904, 0.2167,
0.2273

■ 7.3940, 0.1561,
0.1634

■ 61.5763, 0.2254,
0.2366

■ 3.7097, 0.1293,
0.1351

■ 82.2557, 0.2328,
0.2443

■ 1.5125, 0.0947,
0.0988

■ 107.1129, 0.2390,
0.2509

■ 0.2975, 0.0392,
0.0400

■ 136.5325, 0.2443,
0.2566

■ 0.0000, 0.0000,
0.0000

170.8987, 0.2490,

0.2615

210.5960, 0.2530,
0.2658

■ 20.7616, 0.1931,
0.2024

■ 20.7616, 0.1931,
0.2024

■ 18.2367, 0.1858,
0.1860

■ 23.7052, 0.2026,
0.2194

■ 17.1220, 0.1828,
0.1781

■ 27.1051, 0.2142,
0.2364

■ 30.9950, 0.2276,
0.2532

■ 35.4039, 0.2422,
0.2694

■ 40.3582, 0.2576,
0.2846

■ 45.8819, 0.2734,
0.2988

■ 51.9974, 0.2893,
0.3118

■ 58.7256, 0.3049,
0.3235

■ 66.0863, 0.3200,
0.3340

Harmonies

Analogous

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



20.7616, 0.1685, 0.2268



20.7616, 0.1931, 0.2024



20.7616, 0.2477, 0.2063

Triad

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



20.7616, 0.1931, 0.2024



20.7616, 0.4743, 0.3387



20.7616, 0.2795, 0.4609

Complementary

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



20.7616, 0.1931, 0.2024



24.0550, 0.5251, 0.4032

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.



20.7616, 0.3609, 0.4892



20.7616, 0.1931, 0.2024



20.7616, 0.4783, 0.4007

Square

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



20.7616, 0.1931, 0.2024



20.7616, 0.4164, 0.2807



20.7616, 0.4339, 0.4582



20.7616, 0.2116, 0.3756

Rectangle

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



20.7616, 0.1931, 0.2024



20.7616, 0.2996, 0.2223



20.7616, 0.4339, 0.4582



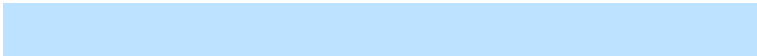
20.7616, 0.3062, 0.4782

Sweetspot

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



20.7623, 0.1931, 0.2024



72.4058, 0.2715, 0.2972



45.9894, 0.2746, 0.4944



14.8194, 0.2660, 0.2923



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.



20.7623, 0.1931, 0.2024



27.0308, 0.1823, 0.1763



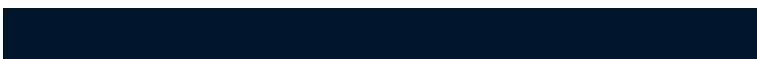
6.4906, 0.1608, 0.0824



12.5060, 0.2983, 0.3186



10.9767, 0.1834, 0.1803



0.7702, 0.1917, 0.2102

Inverse Universe

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



15.8507, 0.4404, 0.2308



23.2599, 0.4730, 0.2379



52.5194, 0.4254, 0.4904



11.9181, 0.3204, 0.3160



9.1794, 0.4681, 0.2352



0.5290, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 20.7616, 0.1931, 0.2024 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 20.7616, 0.1931, 0.2024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

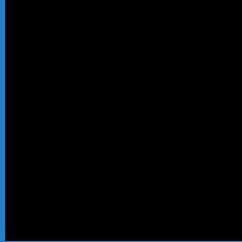
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7616, 0.1931, 0.2024

Background



This preview shows how black text looks on a background with the Yxy color 20.7616, 0.1931, 0.2024.



This preview shows how white text looks on a background with the Yxy color 20.7616, 0.1931, 0.2024.

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

20.7616, 0.1931, 0.2024

Protanopia

20.5221, 0.2209, 0.2051

Deuteranopia

20.7779, 0.2041, 0.1984



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.7616, 0.1931, 0.2024

Protanomaly

20.3567, 0.2069, 0.2026

Deuteranomaly

20.5736, 0.1986, 0.1983

Tritanomaly

20.5817, 0.2079, 0.2641

Monochromacy



Original Color

20.7616, 0.1931, 0.2024

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.5162, 0.2454, 0.2727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7616, 0.1931, 0.2024 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(31, 130, 207)` looks like.

```
.text, #text, p{  
    color:rgb(31, 130, 207)  
}
```

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(31, 130, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 130, 207) }
```

Border

The CSS property to change the border of an element to Yxy 20.7616, 0.1931, 0.2024 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(31, 130, 207) }
```

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

```
.border{ border-color:rgb(31, 130, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 130, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 130, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 130, 207);  
box-shadow:4px 4px 4px 4px rgb(31, 130,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7616, 0.1931, 0.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 130, 207) }
```

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

```
.background{ background-color: rgb(31, 130,  
207) }
```

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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