

Converting Colors

$Yxy(19.5034, 0.1999, 0.2219)$

Have a look what the booklet for
Yxy(19.5034, 0.1999, 0.2219)
contains.

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Color

Yxy(19.4525, 0.1996, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	2280BD
RGB	34, 128, 189
RGB Percent	13%, 50%, 74%
CMY	0.8670, 0.4980, 0.2589
CMYK	0.82, 0.32, 0.00, 0.26
HSL	204°, 70%, 44%
HSV	204°, 82%, 74%
XYZ	17.5609, 19.4525, 50.9671
YIQ	106.8480, -75.6050, -0.9570

Conversions

Conversions Part 2

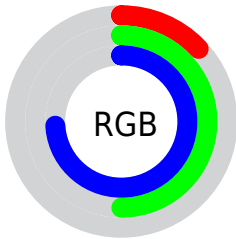
Format	Color
R_{YB}	34, 93, 189
Decimal	2261181
CIE _{Lab}	51.21, -4.93, -39.41
CIE _{LCh}	51, 39.713, 262.867
Yxy	19.4525, 0.1996, 0.2211
Android (android.graphics.Color)	4280451261 (0xFF2280BD)
YUV	106.8480, 40.5009, -63.8877
Hunter-Lab	44.1050, -6.1119, -37.6412

Details

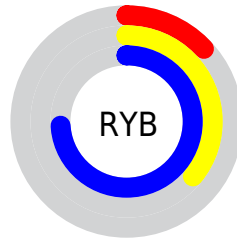
The Yxy color **19.4525, 0.1996, 0.2211** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.0993, 0.5248, 0.3953**, and the grayscale version is **14.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7048, 0.2227, 0.2439**, and **7.3412, 0.1864, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **17.3476, 0.1921, 0.2062**, and if you desaturate by 10%, it is **21.8770, 0.2092, 0.2363**.

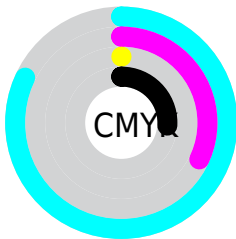
Distribution



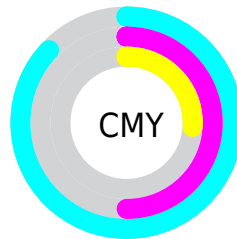
- Red (13%)
- Green (50%)
- Blue (74%)



- Red (13%)
- Yellow (36%)
- Blue (74%)



- Cyan (82%)
- Magenta (32%)
- Yellow (0%)
- Black (26%)



- Cyan (87%)
- Magenta (50%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4525, 0.1996, 0.2211 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 19.4525, 0.1996, 0.2211 by changing the saturation by 10% instead.

■ 19.4525, 0.1996,
0.2211

■ 19.4525, 0.1996,
0.2211

■ 248.9356, 0.2608,
0.2804

■ 11.9977, 0.1834,
0.2050

■ 42.4973, 0.2227,
0.2438

■ 6.7421, 0.1623,
0.1838

■ 58.8561, 0.2311,
0.2520

■ 3.3013, 0.1343,
0.1552

■ 78.9518, 0.2382,
0.2588

■ 1.2910, 0.0970,
0.1160

■ 103.1686, 0.2441,
0.2645

■ 0.1342, 0.0016,
0.0290

■ 131.8909, 0.2492,
0.2694

■ 0.0000, 0.0000,
0.0000

165.5033, 0.2536,

0.2736

204.3901, 0.2574,
0.2772

■ 19.4525, 0.1996,
0.2211

■ 19.4525, 0.1996,
0.2211

■ 17.3476, 0.1921,
0.2062

■ 21.8770, 0.2092,
0.2363

■ 15.8600, 0.1874,
0.1945

■ 24.6475, 0.2207,
0.2514

■ 27.7887, 0.2338,
0.2661

■ 31.3219, 0.2481,
0.2802

■ 35.2666, 0.2632,
0.2934

■ 39.6403, 0.2787,
0.3057

■ 44.4598, 0.2943,
0.3169

■ 49.7404, 0.3096,
0.3271

■ 55.4970, 0.3245,
0.3361

Harmonies

Analogous

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



19.4525, 0.1843, 0.2512



19.4525, 0.1996, 0.2211



19.4525, 0.2419, 0.2178

Triad

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



19.4525, 0.1996, 0.2211



19.4525, 0.4428, 0.3260



19.4525, 0.3032, 0.4515

Complementary

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



19.4525, 0.1996, 0.2211



19.0993, 0.5248, 0.3953

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.



19.4525, 0.3742, 0.4640



19.4525, 0.1996, 0.2211



19.4525, 0.4597, 0.3810

Square

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



19.4525, 0.1996, 0.2211



19.4525, 0.3842, 0.2757



19.4525, 0.4323, 0.4324



19.4525, 0.2386, 0.3893

Rectangle

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



19.4525, 0.1996, 0.2211



19.4525, 0.2839, 0.2286



19.4525, 0.4323, 0.4324



19.4525, 0.3272, 0.4617

Sweetspot

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



19.4531, 0.1996, 0.2211



68.2935, 0.2735, 0.3017



37.5264, 0.2781, 0.5006



14.0950, 0.2681, 0.2974



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



19.4531, 0.1996, 0.2211



28.5710, 0.1878, 0.1952



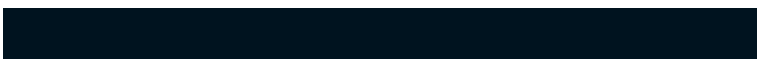
6.4695, 0.1669, 0.0975



10.1625, 0.2984, 0.3198



10.8245, 0.1879, 0.1964



0.5480, 0.1977, 0.2317

Inverse Universe

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



13.5158, 0.4196, 0.2228



21.6996, 0.4506, 0.2264



40.0201, 0.4306, 0.4811



9.6310, 0.3196, 0.3152



8.1224, 0.4494, 0.2249



0.3307, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 19.4525, 0.1996, 0.2211 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 19.4525, 0.1996, 0.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

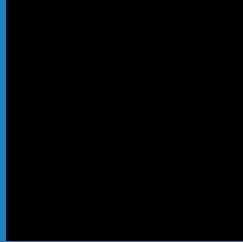
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4525, 0.1996, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 19.4525, 0.1996, 0.2211.



This preview shows how white text looks on a background with the Yxy color 19.4525, 0.1996, 0.2211.

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

19.4525, 0.1996, 0.2211

Protanopia

19.2392, 0.2354, 0.2242

Deuteranopia

19.3212, 0.2182, 0.2119



Tritanopia

19.3723, 0.2188, 0.3077

Trichromacy



Original Color

19.4525, 0.1996, 0.2211

Protanomaly

18.9163, 0.2174, 0.2212

Deuteranomaly

19.2913, 0.2095, 0.2156

Tritanomaly

19.1539, 0.2101, 0.2712

Monochromacy



Original Color

19.4525, 0.1996, 0.2211

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7731, 0.2505, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4525, 0.1996, 0.2211 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(34, 128, 189)` looks like.

```
.text, #text, p{  
    color:rgb(34, 128, 189)  
}
```

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(34, 128, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 128, 189) }
```

Border

The CSS property to change the border of an element to Yxy 19.4525, 0.1996, 0.2211 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(34, 128, 189) }
```

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

```
.border{ border-color:rgb(34, 128, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 128, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 128, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 128, 189);  
box-shadow:4px 4px 4px 4px rgb(34, 128,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4525, 0.1996, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 128, 189) }
```

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

```
.background{ background-color: rgb(34, 128,  
189) }
```

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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