

Converting Colors

$Y_{xy}(19.2975, 0.2146, 0.2295)$

Have a look what the booklet for
Yxy(19.2975, 0.2146, 0.2295)
contains.

Yxy(19.1617, 0.2145, 0.2293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1617, 0.2145, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	427DB5
RGB	66, 125, 181
RGB Percent	26%, 49%, 71%
CMY	0.7409, 0.5098, 0.2901
CMYK	0.64, 0.31, 0.00, 0.29
HSL	209°, 47%, 48%
HSV	209°, 64%, 71%
XYZ	17.9249, 19.1617, 46.4794
YIQ	113.7430, -53.1400, 4.9080

Conversions

Conversions Part 2

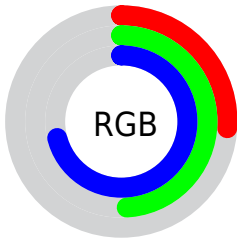
Format	Color
RYP	66, 105, 181
Decimal	4357557
CIELab	50.88, -1.53, -35.29
CIElCh	51, 35.320, 267.524
Yxy	19.1617, 0.2145, 0.2293
Android (android.graphics.Color)	4282547637 (0xFF427DB5)
YUV	113.7430, 33.1577, -41.8706
Hunter-Lab	43.7741, -3.5112, -32.3124




Details

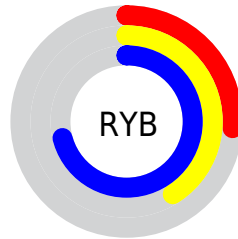
The Yxy color **19.1617, 0.2145, 0.2293** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.1599, 0.4534, 0.4055**, and the grayscale version is **16.6617, 0.3127, 0.3290**.




A 20% lighter version of the original color is **41.8438, 0.2350, 0.2501**, and **6.7274, 0.1874, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **16.4942, 0.2019, 0.2104**, and if you desaturate by 10%, it is **22.2279, 0.2287, 0.2479**.

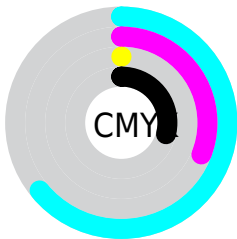
Distribution







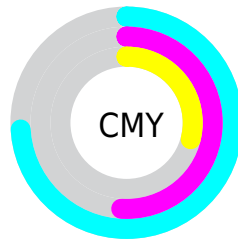
-  Red (26%)
-  Green (49%)
-  Blue (71%)






-  Red (26%)
-  Yellow (41%)
-  Blue (71%)



-  Cyan (64%)
-  Magenta (31%)
-  Yellow (0%)
-  Black (29%)



-  Cyan (74%)
-  Magenta (51%)
-  Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1617, 0.2145, 0.2293 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 19.1617, 0.2145, 0.2293 by changing the saturation by 10% instead.

■ 19.1617, 0.2145,
0.2293

■ 19.1617, 0.2145,
0.2293

■ 247.3400, 0.2684,
0.2843

■ 11.7872, 0.1997,
0.2141

■ 42.0072, 0.2351,
0.2505

■ 6.5989, 0.1801,
0.1939

■ 58.2469, 0.2426,
0.2581

■ 3.2126, 0.1534,
0.1662

■ 78.2105, 0.2488,
0.2644

■ 1.2437, 0.1161,
0.1271

■ 102.2823, 0.2540,
0.2696

■ 0.0970, 0.0145,
0.0256

■ 130.8468, 0.2584,
0.2741

■ 0.0000, 0.0000,
0.0000

164.2883, 0.2622,

0.2780

202.9912, 0.2655,
0.2814

■ 19.1617, 0.2145,
0.2293

■ 19.1617, 0.2145,
0.2293

■ 16.4942, 0.2019,
0.2104

■ 22.2279, 0.2287,
0.2479

■ 14.1988, 0.1912,
0.1917

■ 25.7128, 0.2441,
0.2657

■ 12.2474, 0.1829,
0.1736

■ 29.6369, 0.2600,
0.2825

■ 11.1303, 0.1784,
0.1623

■ 34.0188, 0.2761,
0.2980

■ 38.8755, 0.2920,
0.3121

■ 44.2232, 0.3074,
0.3249

■ 50.0773, 0.3222,
0.3362

■ 56.4523, 0.3363,
0.3463

■ 63.3622, 0.3495,
0.3552

Harmonies

Analogous

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



19.1617, 0.1964, 0.2535



19.1617, 0.2145, 0.2293



19.1617, 0.2571, 0.2293

Triad

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



19.1617, 0.2145, 0.2293



19.1617, 0.4340, 0.3351



19.1617, 0.2953, 0.4310

Complementary

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



19.1617, 0.2145, 0.2293



24.1599, 0.4534, 0.4055

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.



19.1617, 0.3597, 0.4507



19.1617, 0.2145, 0.2293



19.1617, 0.4435, 0.3854

Square

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



19.1617, 0.2145, 0.2293



19.1617, 0.3866, 0.2876



19.1617, 0.4145, 0.4293



19.1617, 0.2389, 0.3719

Rectangle

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



19.1617, 0.2145, 0.2293



19.1617, 0.2972, 0.2412



19.1617, 0.4145, 0.4293



19.1617, 0.3167, 0.4427

Sweetspot

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



19.1624, 0.2145, 0.2293



64.4520, 0.2828, 0.3041



35.6113, 0.2720, 0.4350



13.4124, 0.2783, 0.3000



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.1624, 0.2145, 0.2293



27.9124, 0.1976, 0.2033



8.6283, 0.1918, 0.1307



8.9265, 0.2985, 0.3176



7.8106, 0.1790, 0.1644



0.3621, 0.1929, 0.2144

Inverse Universe

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



15.2096, 0.4054, 0.2495



22.5809, 0.4369, 0.2414



42.5013, 0.4014, 0.4715



8.5756, 0.3210, 0.3174



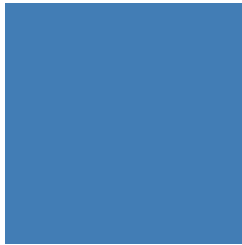
7.3286, 0.4876, 0.2460



0.2423, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 19.1617, 0.2145, 0.2293 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 19.1617, 0.2145, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

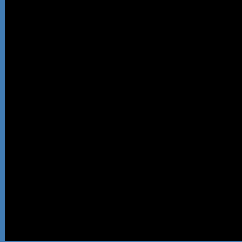
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1617, 0.2145, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 19.1617, 0.2145, 0.2293.

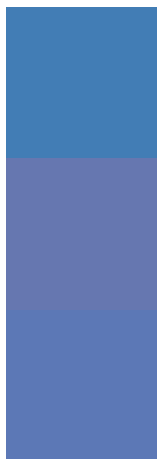


This preview shows how white text looks on a background with the Yxy color 19.1617, 0.2145, 0.2293.

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

19.1617, 0.2145, 0.2293

Protanopia

19.1530, 0.2405, 0.2314

Deuteranopia

19.0857, 0.2288, 0.2230



Tritanopia

19.0665, 0.2301, 0.3060

Trichromacy



Original Color

19.1617, 0.2145, 0.2293

Protanomaly

19.0129, 0.2294, 0.2296

Deuteranomaly

19.1355, 0.2230, 0.2250

Tritanomaly

18.8917, 0.2232, 0.2737

Monochromacy



Original Color

19.1617, 0.2145, 0.2293

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3332, 0.2671, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1617, 0.2145, 0.2293 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(66, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(66, 125, 181)  
}
```

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(66, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 125, 181) }
```

Border

The CSS property to change the border of an element to Yxy 19.1617, 0.2145, 0.2293 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(66, 125, 181) }
```

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

```
.border{ border-color:rgb(66, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(66, 125,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1617, 0.2145, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 125, 181) }
```

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

```
.background{ background-color: rgb(66, 125,  
181) }
```

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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