

Converting Colors

$Yxy(19.5504, 0.2033, 0.2161)$

Have a look what the booklet for
Yxy(19.5504, 0.2033, 0.2161)
contains.

Yxy(19.4313, 0.2028, 0.2149)	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(19.4313, 0.2028, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	337EC0
RGB	51, 126, 192
RGB Percent	20%, 49%, 75%
CMY	0.8003, 0.5058, 0.2471
CMYK	0.73, 0.34, 0.00, 0.25
HSL	208°, 58%, 48%
HSV	208°, 73%, 75%
XYZ	18.3372, 19.4313, 52.6517
YIQ	111.0990, -65.8860, 4.6260

Conversions

Conversions Part 2

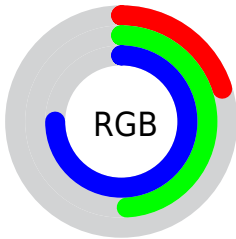
Format	Color
R_{YB}	51, 100, 192
Decimal	3374784
CIE _{Lab}	51.19, -0.69, -41.14
CIE _{LCh}	51, 41.145, 269.039
Yxy	19.4313, 0.2028, 0.2149
Android (android.graphics.Color)	4281564864 (0xFF337EC0)
YUV	111.0990, 39.8842, -52.7068
Hunter-Lab	44.0809, -2.8875, -39.9612

Details

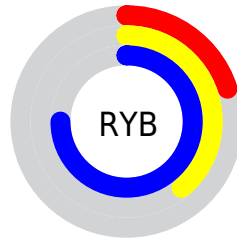
The Yxy color **19.4313, 0.2028, 0.2149** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **24.1475, 0.4853, 0.4086**, and the grayscale version is **15.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3252, 0.2251, 0.2377**, and **7.2838, 0.1844, 0.1837** is the 20% darker color. If you saturate the color by 10%, you get **16.8378, 0.1925, 0.1968**, and if you desaturate by 10%, it is **22.4380, 0.2152, 0.2331**.

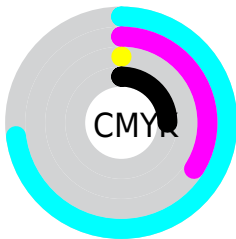
Distribution



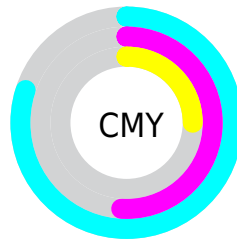
- Red (20%)
- Green (49%)
- Blue (75%)



- Red (20%)
- Yellow (39%)
- Blue (75%)



- Cyan (73%)
- Magenta (34%)
- Yellow (0%)
- Black (25%)



- Cyan (80%)
- Magenta (51%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4313, 0.2028, 0.2149 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 19.4313, 0.2028, 0.2149 by changing the saturation by 10% instead.

■ 19.4313, 0.2028,
0.2149

■ 19.4313, 0.2028,
0.2149

■ 248.8195, 0.2624,
0.2769

■ 11.9823, 0.1869,
0.1983

■ 42.4616, 0.2253,
0.2384

■ 6.7317, 0.1663,
0.1768

■ 58.8118, 0.2336,
0.2469

■ 3.2949, 0.1389,
0.1480

■ 78.8978, 0.2404,
0.2541

■ 1.2875, 0.1021,
0.1094

■ 103.1041, 0.2462,
0.2601

■ 0.1315, 0.0214,
0.0260

■ 131.8150, 0.2511,
0.2652

■ 0.0000, 0.0000,
0.0000

165.4149, 0.2554,

0.2696

204.2883, 0.2591,
0.2735

■ 19.4313, 0.2028,
0.2149

■ 19.4313, 0.2028,
0.2149

■ 16.8378, 0.1925,
0.1968

■ 22.4380, 0.2152,
0.2331

■ 14.6230, 0.1844,
0.1793

■ 25.8839, 0.2292,
0.2510

■ 13.3454, 0.1801,
0.1682

■ 29.7941, 0.2443,
0.2681

■ 34.1912, 0.2601,
0.2842

■ 39.0957, 0.2761,
0.2992

■ 44.5270, 0.2920,
0.3128

■ 50.5030, 0.3075,
0.3250

■ 57.0409, 0.3224,
0.3360

■ 64.1569, 0.3365,
0.3457

Harmonies

Analogous

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



19.4313, 0.1813, 0.2396



19.4313, 0.2028, 0.2149



19.4313, 0.2517, 0.2168

Triad

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



19.4313, 0.2028, 0.2149



19.4313, 0.4551, 0.3370



19.4313, 0.2876, 0.4468

Complementary

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



19.4313, 0.2028, 0.2149



24.1475, 0.4853, 0.4086

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.



19.4313, 0.3612, 0.4708



19.4313, 0.2028, 0.2149



19.4313, 0.4623, 0.3936

Square

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



19.4313, 0.2028, 0.2149



19.4313, 0.4017, 0.2838



19.4313, 0.4256, 0.4446



19.4313, 0.2248, 0.3746

Rectangle

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



19.4313, 0.2028, 0.2149



19.4313, 0.2980, 0.2309



19.4313, 0.4256, 0.4446



19.4313, 0.3119, 0.4613

Sweetspot

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



19.4319, 0.2028, 0.2149



71.8974, 0.2779, 0.3007



39.6790, 0.2713, 0.4600



14.8774, 0.2735, 0.2968



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.4319, 0.2028, 0.2149



28.0494, 0.1874, 0.1863



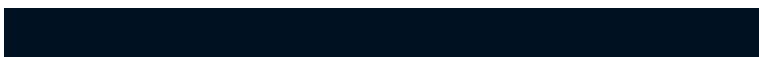
7.3002, 0.1748, 0.1040



10.6157, 0.2984, 0.3180



9.1375, 0.1807, 0.1704



0.5318, 0.1914, 0.2089

Inverse Universe

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



15.0742, 0.4235, 0.2393



23.3411, 0.4595, 0.2377



47.1108, 0.4125, 0.4838



10.1655, 0.3208, 0.3168



8.2047, 0.4802, 0.2419



0.3683, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 19.4313, 0.2028, 0.2149 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 19.4313, 0.2028, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

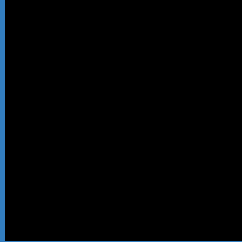
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4313, 0.2028, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 19.4313, 0.2028, 0.2149.



This preview shows how white text looks on a background with the Yxy color 19.4313, 0.2028, 0.2149.

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

19.4313, 0.2028, 0.2149

Protanopia

19.2802, 0.2297, 0.2172

Deuteranopia

19.2743, 0.2152, 0.2089



Tritanopia

19.3723, 0.2188, 0.3077

Trichromacy



Original Color

19.4313, 0.2028, 0.2149

Protanomaly

19.2554, 0.2177, 0.2167

Deuteranomaly

19.3183, 0.2097, 0.2106

Tritanomaly

19.2496, 0.2107, 0.2696

Monochromacy



Original Color

19.4313, 0.2028, 0.2149

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5081, 0.2567, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4313, 0.2028, 0.2149 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(51, 126, 192)` looks like.

```
.text, #text, p{  
    color:rgb(51, 126, 192)  
}
```

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(51, 126, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 126, 192) }
```

Border

The CSS property to change the border of an element to Yxy 19.4313, 0.2028, 0.2149 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(51, 126, 192) }
```

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

```
.border{ border-color:rgb(51, 126, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 126, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 126, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 126, 192);  
box-shadow:4px 4px 4px 4px rgb(51, 126,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4313, 0.2028, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 126, 192) }
```

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

```
.background{ background-color: rgb(51, 126,  
192) }
```

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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