

Converting Colors

$Y_{xy}(21.9966, 0.2320, 0.2952)$

Have a look what the booklet for
Yxy(21.9966, 0.2320, 0.2952)
contains.

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Color

Yxy(21.8917, 0.2319, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	3D8B9D
RGB	61, 139, 157
RGB Percent	24%, 55%, 62%
CMY	0.7608, 0.4549, 0.3842
CMYK	0.61, 0.11, 0.00, 0.38
HSL	191°, 44%, 43%
HSV	191°, 61%, 62%
XYZ	17.2442, 21.8917, 35.2245
YIQ	117.7300, -52.2660, -10.9380

Conversions

Conversions Part 2

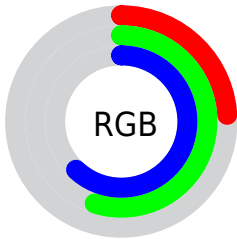
Format	Color
R_{YB}	61, 104, 157
Decimal	4033437
CIE _{Lab}	53.91, -18.29, -16.76
CIE _{LCh}	54, 24.806, 222.499
Yxy	21.8917, 0.2319, 0.2944
Android (android.graphics.Color)	4282223517 (0xFF3D8B9D)
YUV	117.7300, 19.3601, -49.7522
Hunter-Lab	46.7886, -16.0929, -11.8842




Details

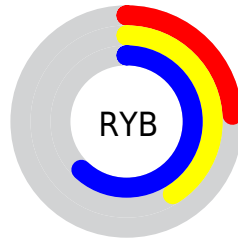
The Yxy color **21.8917, 0.2319, 0.2944** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.1025, 0.4786, 0.3573**, and the grayscale version is **17.9793, 0.3127, 0.3290**.




A 20% lighter version of the original color is **46.7449, 0.2488, 0.3026**, and **8.1854, 0.2111, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **20.6231, 0.2232, 0.2878**, and if you desaturate by 10%, it is **23.3309, 0.2423, 0.3009**.

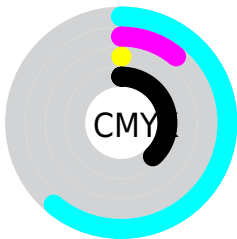
Distribution







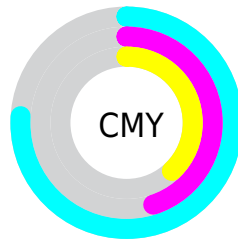
-  Red (24%)
-  Green (55%)
-  Blue (62%)






-  Red (24%)
-  Yellow (41%)
-  Blue (62%)



-  Cyan (61%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (76%)
-  Magenta (45%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8917, 0.2319, 0.2944 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 21.8917, 0.2319, 0.2944 by changing the saturation by 10% instead.

21.8917, 0.2319,
0.2944

21.8917, 0.2319,
0.2944

261.9802, 0.2760,
0.3148

13.7773, 0.2196,
0.2880

46.5669, 0.2489,
0.3027

7.9660, 0.2031,
0.2789

63.8966, 0.2550,
0.3055

4.0732, 0.1798,
0.2651

85.0668, 0.2600,
0.3078

1.7146, 0.1453,
0.2419

110.4620, 0.2642,
0.3097

0.4331, 0.0000,
0.1926

140.4665, 0.2678,
0.3113

0.0000, 0.0000,
0.0000

175.4648, 0.2709,

0.3126

215.8412, 0.2736,
0.3138

■ 21.8917, 0.2319,
0.2944

■ 21.8917, 0.2319,
0.2944

■ 20.6231, 0.2232,
0.2878

■ 23.3309, 0.2423,
0.3009

■ 19.5092, 0.2163,
0.2811

■ 24.9499, 0.2542,
0.3071

■ 18.5352, 0.2113,
0.2744

■ 26.7601, 0.2673,
0.3131

■ 17.7566, 0.2079,
0.2686

■ 28.7713, 0.2813,
0.3186

■ 30.9923, 0.2960,
0.3238

■ 33.4316, 0.3110,
0.3285

■ 36.0971, 0.3261,
0.3328

■ 38.9963, 0.3410,
0.3366

■ 42.1362, 0.3557,
0.3400

Harmonies

Analogous

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



21.8917, 0.2481, 0.3356



21.8917, 0.2319, 0.2944



21.8917, 0.2354, 0.2670

Triad

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



21.8917, 0.2319, 0.2944



21.8917, 0.3411, 0.2860



21.8917, 0.3667, 0.4071

Complementary

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



21.8917, 0.2319, 0.2944



13.1025, 0.4786, 0.3573

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.



21.8917, 0.3952, 0.3864



21.8917, 0.2319, 0.2944



21.8917, 0.3807, 0.3176

Square

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



21.8917, 0.2319, 0.2944



21.8917, 0.2957, 0.2644



21.8917, 0.4009, 0.3535



21.8917, 0.3247, 0.4057

Rectangle

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



21.8917, 0.2319, 0.2944



21.8917, 0.2483, 0.2585



21.8917, 0.4009, 0.3535



21.8917, 0.3782, 0.4022

Sweetspot

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



21.8925, 0.2319, 0.2944



52.5873, 0.2854, 0.3201



25.6724, 0.2929, 0.4888



11.3415, 0.2815, 0.3187



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.8925, 0.2319, 0.2944



36.2442, 0.2207, 0.2856



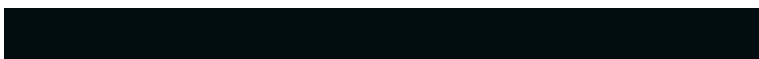
10.9792, 0.2099, 0.1955



7.2977, 0.2988, 0.3247



14.4675, 0.2081, 0.2691



0.3088, 0.2154, 0.2955

Inverse Universe

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



12.3720, 0.3468, 0.2120



18.7139, 0.3563, 0.1955



22.5869, 0.4248, 0.4304



6.7332, 0.3164, 0.3110



7.0827, 0.3737, 0.1832



0.1317, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 21.8917, 0.2319, 0.2944 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 21.8917, 0.2319, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

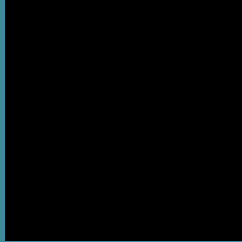
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8917, 0.2319, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 21.8917, 0.2319, 0.2944.

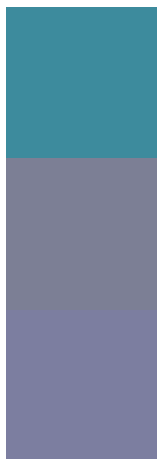


This preview shows how white text looks on a background with the Yxy color 21.8917, 0.2319, 0.2944.

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

21.8917, 0.2319, 0.2944

Protanopia

21.6338, 0.2865, 0.2906

Deuteranopia

21.7449, 0.2760, 0.2713



Tritanopia

21.8901, 0.2346, 0.3074

Trichromacy



Original Color

21.8917, 0.2319, 0.2944

Protanomaly

21.2663, 0.2616, 0.2905

Deuteranomaly

21.5025, 0.2559, 0.2787

Tritanomaly

21.9859, 0.2338, 0.3036

Monochromacy



Original Color

21.8917, 0.2319, 0.2944

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1290, 0.2744, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8917, 0.2319, 0.2944 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(61, 139, 157)` looks like.

```
.text, #text, p{  
    color:rgb(61, 139, 157)  
}
```

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(61, 139, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 139, 157) }
```

Border

The CSS property to change the border of an element to Yxy 21.8917, 0.2319, 0.2944 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(61, 139, 157) }
```

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

```
.border{ border-color:rgb(61, 139, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 139, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 139, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 139, 157); box-shadow:4px 4px 4px 4px rgb(61, 139, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8917, 0.2319, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 139, 157) }
```

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

```
.background{ background-color: rgb(61, 139,  
157) }
```

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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