

Converting Colors

$Y_{xy}(20.1960, 0.2419, 0.2923)$

Have a look what the booklet for
Yxy(20.1960, 0.2419, 0.2923)
contains.

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Color

$\text{Yxy}(20.2327, 0.2416, 0.2921)$

Conversions

Conversions Part 1

Format	Color
Hex	4B8497
RGB	75, 132, 151
RGB Percent	29%, 52%, 59%
CMY	0.7061, 0.4823, 0.4079
CMYK	0.50, 0.13, 0.00, 0.41
HSL	195°, 34%, 44%
HSV	195°, 50%, 59%
XYZ	16.7347, 20.2327, 32.2989
YIQ	117.1230, -40.0710, -6.1750

Conversions

Conversions Part 2

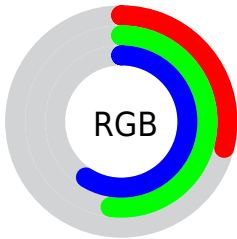
Format	Color
R_{YB}	75, 108, 151
Decimal	4949143
CIE _{Lab}	52.10, -13.29, -15.97
CIE _{LCh}	52, 20.779, 230.234
Yxy	20.2327, 0.2416, 0.2921
Android (android.graphics.Color)	4283139223 (0xFF4B8497)
YUV	117.1230, 16.7014, -36.9419
Hunter-Lab	44.9808, -12.3068, -11.0872

Details

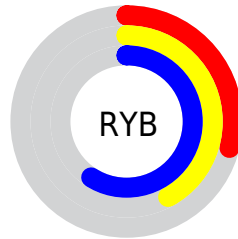
The Yxy color **20.2327, 0.2416, 0.2921** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0777, 0.4322, 0.3615**, and the grayscale version is **17.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7728, 0.2573, 0.3010**, and **7.0562, 0.2146, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **18.6918, 0.2303, 0.2834**, and if you desaturate by 10%, it is **21.9565, 0.2543, 0.3005**.

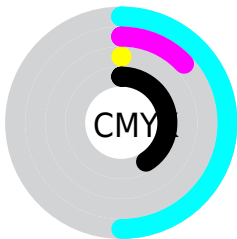
Distribution



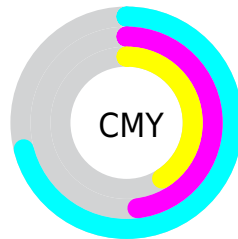
- Red (29%)
- Green (52%)
- Blue (59%)



- Red (29%)
- Yellow (42%)
- Blue (59%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (71%)
- Magenta (48%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2327, 0.2416, 0.2921 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 20.2327, 0.2416, 0.2921 by changing the saturation by 10% instead.

20.2327, 0.2416,
0.2921

20.2327, 0.2416,
0.2921

253.1721, 0.2811,
0.3137

12.5643, 0.2303,
0.2854

43.8070, 0.2570,
0.3009

7.1292, 0.2149,
0.2758

60.4817, 0.2624,
0.3039

3.5430, 0.1927,
0.2611

80.9272, 0.2669,
0.3063

1.4214, 0.1585,
0.2364

105.5281, 0.2707,
0.3083

0.2324, 0.0000,
0.1399

134.6686, 0.2739,
0.3100

0.0000, 0.0000,
0.0000

168.7331, 0.2766,

0.3114

208.1062, 0.2790,
0.3126

■ 20.2327, 0.2416,
0.2921

■ 20.2327, 0.2416,
0.2921

■ 18.6918, 0.2303,
0.2834

■ 21.9565, 0.2543,
0.3005

■ 17.3208, 0.2206,
0.2744

■ 23.8707, 0.2680,
0.3084

■ 16.1082, 0.2126,
0.2653

■ 25.9850, 0.2824,
0.3158

■ 15.0399, 0.2066,
0.2562

■ 28.3077, 0.2972,
0.3226

■ 14.1132, 0.2021,
0.2475

■ 30.8467, 0.3122,
0.3288

■ 33.6092, 0.3271,
0.3344

■ 36.6022, 0.3417,
0.3394

■ 39.8324, 0.3559,
0.3438

■ 43.3061, 0.3696,
0.3477

Harmonies

Analogous

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



20.2327, 0.2515, 0.3252



20.2327, 0.2416, 0.2921



20.2327, 0.2491, 0.2717

Triad

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



20.2327, 0.2416, 0.2921



20.2327, 0.3470, 0.2982



20.2327, 0.3510, 0.3978

Complementary

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



20.2327, 0.2416, 0.2921



15.0777, 0.4322, 0.3615

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.



20.2327, 0.3792, 0.3849



20.2327, 0.2416, 0.2921



20.2327, 0.3775, 0.3275

Square

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



20.2327, 0.2416, 0.2921



20.2327, 0.3081, 0.2765



20.2327, 0.3894, 0.3587



20.2327, 0.3135, 0.3902

Rectangle

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



20.2327, 0.2416, 0.2921



20.2327, 0.2632, 0.2667



20.2327, 0.3894, 0.3587



20.2327, 0.3619, 0.3955

Sweetspot

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



20.2335, 0.2416, 0.2921



48.6005, 0.2898, 0.3193



24.4098, 0.2922, 0.4480



10.8643, 0.2870, 0.3180



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.2335, 0.2416, 0.2921



33.2615, 0.2294, 0.2826



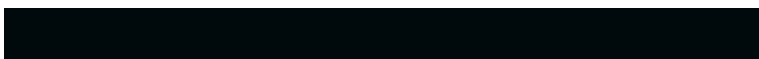
11.9520, 0.2271, 0.2155



6.7653, 0.2989, 0.3233



12.0539, 0.2022, 0.2480



0.2361, 0.2134, 0.2880

Inverse Universe

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



13.2692, 0.3466, 0.2366



20.0966, 0.3566, 0.2199



23.2418, 0.3997, 0.4202



6.2973, 0.3173, 0.3125



6.6221, 0.3942, 0.1945



0.1046, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 20.2327, 0.2416, 0.2921 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 20.2327, 0.2416, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

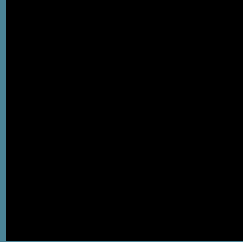
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2327, 0.2416, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 20.2327, 0.2416, 0.2921.



This preview shows how white text looks on a background with the Yxy color 20.2327, 0.2416, 0.2921.

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

20.2327, 0.2416, 0.2921

Protanopia

20.1322, 0.2847, 0.2894

Deuteranopia

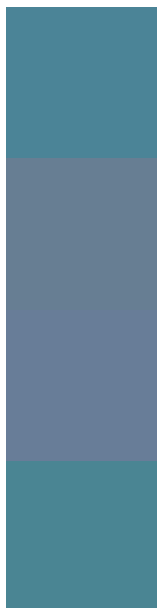
20.0396, 0.2788, 0.2729



Tritanopia

20.2051, 0.2457, 0.3070

Trichromacy



Original Color

20.2327, 0.2416, 0.2921

Protanomaly

19.9119, 0.2666, 0.2898

Deuteranomaly

19.8773, 0.2630, 0.2794

Tritanomaly

20.3375, 0.2442, 0.3014

Monochromacy



Original Color

20.2327, 0.2416, 0.2921

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3288, 0.2819, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2327, 0.2416, 0.2921 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(75, 132, 151)` looks like.

```
.text, #text, p{  
    color:rgb(75, 132, 151)  
}
```

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(75, 132, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 132, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.2327, 0.2416, 0.2921 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(75, 132, 151) }
```

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

```
.border{ border-color:rgb(75, 132, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 132, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 132, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 132, 151);  
box-shadow:4px 4px 4px 4px rgb(75, 132,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2327, 0.2416, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 132, 151) }
```

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

```
.background{ background-color: rgb(75, 132,  
151) }
```

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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