

Converting Colors

$Yxy(21.5894, 0.2167, 0.2796)$

Have a look what the booklet for
Yxy(21.5894, 0.2167, 0.2796)
contains.

Yxy(21.5392, 0.2167, 0.2793)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.5392, 0.2167, 0.2793)$

Conversions

Conversions Part 1

Format	Color
Hex	238BA5
RGB	35, 139, 165
RGB Percent	14%, 55%, 65%
CMY	0.8634, 0.4548, 0.3530
CMYK	0.79, 0.16, 0.00, 0.35
HSL	192°, 65%, 39%
HSV	192°, 79%, 65%
XYZ	16.7116, 21.5392, 38.8677
YIQ	110.8680, -70.3300, -13.9620

Conversions

Conversions Part 2

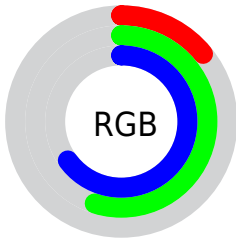
Format	Color
R_{YB}	35, 93, 165
Decimal	2329509
CIE _{Lab}	53.53, -19.61, -21.99
CIE _{LCh}	54, 29.461, 228.275
Yxy	21.5392, 0.2167, 0.2793
Android (android.graphics.Color)	4280519589 (0xFF238BA5)
YUV	110.8680, 26.6871, -66.5362
Hunter-Lab	46.4103, -16.9433, -17.1669

Details

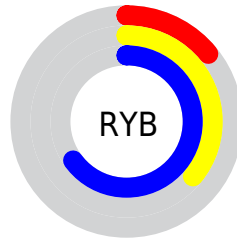
The Yxy color **21.5392, 0.2167, 0.2793** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.4338, 0.5500, 0.3599**, and the grayscale version is **15.7785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1320, 0.2368, 0.2915**, and **8.3370, 0.2062, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **20.3783, 0.2112, 0.2721**, and if you desaturate by 10%, it is **22.8658, 0.2241, 0.2865**.

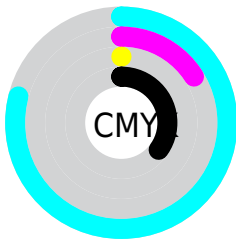
Distribution



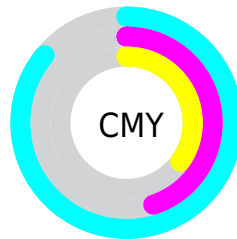
- Red (14%)
- Green (55%)
- Blue (65%)



- Red (14%)
- Yellow (36%)
- Blue (65%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)



- Cyan (86%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5392, 0.2167, 0.2793 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 21.5392, 0.2167, 0.2793 by changing the saturation by 10% instead.

21.5392, 0.2167,
0.2793

21.5392, 0.2167,
0.2793

260.1303, 0.2687,
0.3084

13.5187, 0.2025,
0.2704

45.9832, 0.2365,
0.2910

7.7867, 0.1836,
0.2579

63.1755, 0.2437,
0.2950

3.9588, 0.1577,
0.2394

84.1939, 0.2497,
0.2983

1.6505, 0.1206,
0.2096

109.4227, 0.2547,
0.3010

0.3913, 0.0000,
0.1428

139.2463, 0.2590,
0.3033

0.0000, 0.0000,
0.0000

174.0492, 0.2627,

0.3053

214.2158, 0.2659,
0.3069

■ 21.5392, 0.2167,
0.2793

■ 21.5392, 0.2167,
0.2793

■ 20.3783, 0.2112,
0.2721

■ 22.8658, 0.2241,
0.2865

■ 19.3476, 0.2072,
0.2650

■ 24.3730, 0.2334,
0.2936

■ 19.2369, 0.2067,
0.2642

■ 26.0762, 0.2443,
0.3005

■ 27.9883, 0.2567,
0.3071

■ 30.1212, 0.2702,
0.3133

■ 32.4856, 0.2845,
0.3192

■ 35.0915, 0.2993,
0.3246

■ 37.9484, 0.3144,
0.3295

■ 41.0650, 0.3295,
0.3340

Harmonies

Analogous

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



21.5392, 0.2308, 0.3259



21.5392, 0.2167, 0.2793



21.5392, 0.2251, 0.2517

Triad

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



21.5392, 0.2167, 0.2793



21.5392, 0.3565, 0.2847



21.5392, 0.3673, 0.4245

Complementary

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



21.5392, 0.2167, 0.2793



11.4338, 0.5500, 0.3599

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.



21.5392, 0.4058, 0.4024



21.5392, 0.2167, 0.2793



21.5392, 0.4009, 0.3228

Square

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



21.5392, 0.2167, 0.2793



21.5392, 0.3021, 0.2570



21.5392, 0.4192, 0.3646



21.5392, 0.3160, 0.4178

Rectangle

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



21.5392, 0.2167, 0.2793



21.5392, 0.2428, 0.2449



21.5392, 0.4192, 0.3646



21.5392, 0.3822, 0.4197

Sweetspot

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



21.5400, 0.2167, 0.2793



55.7882, 0.2764, 0.3160



27.5726, 0.2919, 0.5393



11.8903, 0.2717, 0.3140



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.5400, 0.2167, 0.2793



35.0510, 0.2081, 0.2666



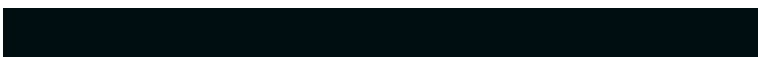
8.2448, 0.1831, 0.1500



7.7700, 0.2988, 0.3244



14.6263, 0.2069, 0.2650



0.3651, 0.2141, 0.2906

Inverse Universe

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



11.0541, 0.3625, 0.1929



17.5993, 0.3759, 0.1863



22.4756, 0.4583, 0.4480



7.1778, 0.3166, 0.3112



7.3207, 0.3776, 0.1854



0.1597, 0.3538, 0.1722

Previews

White Background



This preview shows how the Yxy color 21.5392, 0.2167, 0.2793 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 21.5392, 0.2167, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

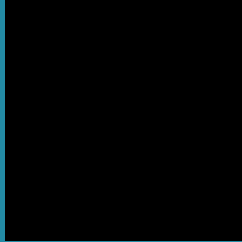
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5392, 0.2167, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 21.5392, 0.2167, 0.2793.

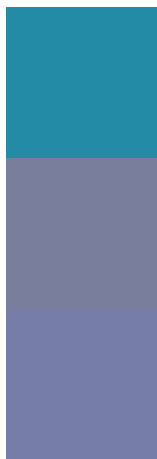


This preview shows how white text looks on a background with the Yxy color 21.5392, 0.2167, 0.2793.

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

21.5392, 0.2167, 0.2793

Protanopia

21.3151, 0.2755, 0.2769

Deuteranopia

21.2763, 0.2618, 0.2563



Tritanopia

21.4984, 0.2207, 0.3048

Trichromacy



Original Color

21.5392, 0.2167, 0.2793

Protanomaly

20.8596, 0.2459, 0.2774

Deuteranomaly

20.7815, 0.2384, 0.2622

Tritanomaly

21.3972, 0.2190, 0.2953

Monochromacy



Original Color

21.5392, 0.2167, 0.2793

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.1524, 0.2605, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5392, 0.2167, 0.2793 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(35, 139, 165)` looks like.

```
.text, #text, p{  
    color:rgb(35, 139, 165)  
}
```

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(35, 139, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 139, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.5392, 0.2167, 0.2793 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(35, 139, 165) }
```

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

```
.border{ border-color:rgb(35, 139, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 139, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 139, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 139, 165);  
box-shadow:4px 4px 4px 4px rgb(35, 139,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5392, 0.2167, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 139, 165) }
```

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

```
.background{ background-color: rgb(35, 139,  
165) }
```

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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