

Converting Colors

$Y_{xy}(21.2254, 0.2594, 0.2837)$

Have a look what the booklet for
Yxy(21.2254, 0.2594, 0.2837)
contains.

Yxy(21.1566, 0.2597, 0.2836)	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(21.1566, 0.2597, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	66829B
RGB	102, 130, 155
RGB Percent	40%, 51%, 61%
CMY	0.6002, 0.4901, 0.3922
CMYK	0.34, 0.16, 0.00, 0.39
HSL	208°, 21%, 50%
HSV	208°, 34%, 61%
XYZ	19.3737, 21.1566, 34.0699
YIQ	124.4780, -24.7130, 1.8390

Conversions

Conversions Part 2

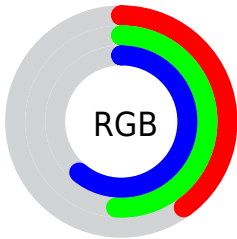
Format	Color
R_{YB}	102, 120, 155
Decimal	6718107
CIE _{Lab}	53.12, -3.68, -16.61
CIE _{LCh}	53, 17.008, 257.520
Yxy	21.1566, 0.2597, 0.2836
Android (android.graphics.Color)	4284908187 (0xFF66829B)
YUV	124.4780, 15.0473, -19.7132
Hunter-Lab	45.9963, -5.3093, -11.7192

Details

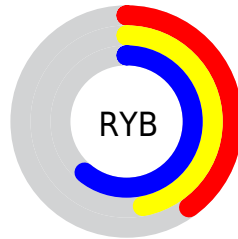
The Yxy color $21.1566, 0.2597, 0.2836$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $23.0868, 0.3768, 0.3702$, and the grayscale version is $20.2761, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3404, 0.2713, 0.2945$, and $7.6144, 0.2391, 0.2655$ is the 20% darker color. If you saturate the color by 10%, you get $18.4618, 0.2441, 0.2676$, and if you desaturate by 10%, it is $24.1601, 0.2755, 0.2984$.

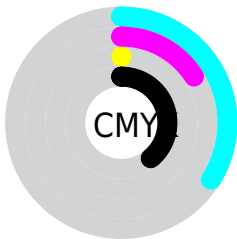
Distribution



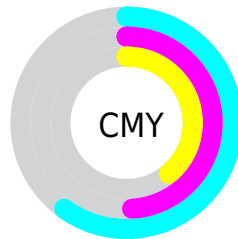
- Red (40%)
- Green (51%)
- Blue (61%)



- Red (40%)
- Yellow (47%)
- Blue (61%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)



- Cyan (60%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1566, 0.2597, 0.2836 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 21.1566, 0.2597, 0.2836 by changing the saturation by 10% instead.

■ 21.1566, 0.2597,
0.2836

■ 21.1566, 0.2597,
0.2836

■ 258.1096, 0.2892,
0.3092

■ 13.2385, 0.2512,
0.2761

■ 45.3480, 0.2712,
0.2937

■ 7.5930, 0.2395,
0.2656

■ 62.3901, 0.2753,
0.2972

■ 3.8356, 0.2226,
0.2502

■ 83.2424, 0.2786,
0.3001

■ 1.5821, 0.1960,
0.2255

■ 108.2892, 0.2814,
0.3026

■ 0.3455, 0.1064,
0.1541

■ 137.9149, 0.2838,
0.3046

■ 0.0000, 0.0000,
0.0000

172.5039, 0.2859,

0.3064

212.4407, 0.2876,
0.3079

■ 21.1566, 0.2597,
0.2836

■ 21.1566, 0.2597,
0.2836

■ 18.4618, 0.2441,
0.2676

■ 24.1601, 0.2755,
0.2984

■ 16.0609, 0.2292,
0.2506

■ 27.4813, 0.2911,
0.3120

■ 13.9415, 0.2154,
0.2329

■ 31.1319, 0.3064,
0.3242

■ 12.0888, 0.2031,
0.2149

■ 35.1220, 0.3211,
0.3352

■ 10.4865, 0.1928,
0.1970

■ 39.4614, 0.3351,
0.3449

■ 9.1151, 0.1847,
0.1796

■ 44.1594, 0.3483,
0.3535

■ 8.4017, 0.1805,
0.1698

■ 49.2249, 0.3607,
0.3611

■ 54.6664, 0.3723,
0.3678

■ 60.4923, 0.3830,
0.3736

Harmonies

Analogous

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



21.1566, 0.2548, 0.3017



21.1566, 0.2597, 0.2836



21.1566, 0.2781, 0.2780

Triad

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



21.1566, 0.2597, 0.2836



21.1566, 0.3631, 0.3259



21.1566, 0.3166, 0.3790

Complementary

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



21.1566, 0.2597, 0.2836



23.0868, 0.3768, 0.3702

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.



21.1566, 0.3465, 0.3840



21.1566, 0.2597, 0.2836



21.1566, 0.3743, 0.3515

Square

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



21.1566, 0.2597, 0.2836



21.1566, 0.3378, 0.3020



21.1566, 0.3679, 0.3731



21.1566, 0.2867, 0.3582

Rectangle

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



21.1566, 0.2597, 0.2836



21.1566, 0.2962, 0.2813



21.1566, 0.3679, 0.3731



21.1566, 0.3270, 0.3825

Sweetspot

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



21.1574, 0.2597, 0.2836



51.7821, 0.2974, 0.3171



27.7872, 0.2876, 0.3805



11.5298, 0.2954, 0.3154



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.



21.1574, 0.2597, 0.2836



34.1866, 0.2479, 0.2716



15.0322, 0.2533, 0.2334



6.5401, 0.2989, 0.3183



6.8257, 0.1809, 0.1711



0.1749, 0.2010, 0.2437

Inverse Universe

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



18.0730, 0.3494, 0.2833



28.2677, 0.3608, 0.2730



30.7828, 0.3637, 0.4094



6.2746, 0.3205, 0.3173



6.0944, 0.4793, 0.2414



0.0985, 0.3986, 0.1969

Previews

White Background



This preview shows how the Yxy color 21.1566, 0.2597, 0.2836 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 21.1566, 0.2597, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

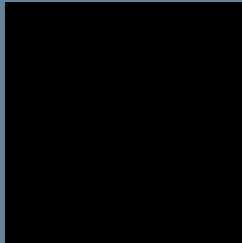
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

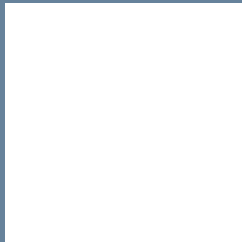
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1566, 0.2597, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 21.1566, 0.2597, 0.2836.



This preview shows how white text looks on a background with the Yxy color 21.1566, 0.2597, 0.2836.

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

21.1566, 0.2597, 0.2836

Protanopia

20.9992, 0.2802, 0.2817

Deuteranopia

21.1007, 0.2794, 0.2740



Tritanopia

21.1383, 0.2676, 0.3082

Trichromacy



Original Color

21.1566, 0.2597, 0.2836

Protanomaly

21.0561, 0.2723, 0.2828

Deuteranomaly

21.0350, 0.2715, 0.2763

Tritanomaly

21.0485, 0.2649, 0.2991

Monochromacy



Original Color

21.1566, 0.2597, 0.2836

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3840, 0.2916, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1566, 0.2597, 0.2836 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(102, 130, 155)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 155)  
}
```

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(102, 130, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 155) }
```

Border

The CSS property to change the border of an element to Yxy 21.1566, 0.2597, 0.2836 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(102, 130, 155) }
```

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

```
.border{ border-color:rgb(102, 130, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 130, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 130, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 130, 155); box-shadow:4px 4px 4px 4px rgb(102, 130, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1566, 0.2597, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 155) }
```

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

```
.background{ background-color: rgb(102,  
130, 155) }
```

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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