

Converting Colors

$Y_{xy}(20.5620, 0.2428, 0.3637)$

Have a look what the booklet for
Yxy(20.5620, 0.2428, 0.3637)
contains.

Yxy(20.5865, 0.2426, 0.3634)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5865, 0.2426, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	248C7C
RGB	36, 140, 124
RGB Percent	14%, 55%, 49%
CMY	0.8589, 0.4510, 0.5137
CMYK	0.74, 0.00, 0.11, 0.45
HSL	171°, 59%, 35%
HSV	171°, 74%, 55%
XYZ	13.7432, 20.5865, 22.3200
YIQ	107.0800, -56.8480, -27.0240

Conversions

Conversions Part 2

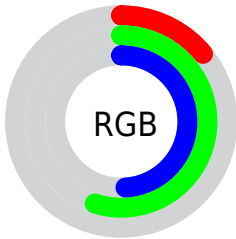
Format	Color
R_{YB}	36, 92, 140
Decimal	2395260
CIE _{Lab}	52.49, -32.80, 0.17
CIE _{LCh}	52, 32.799, 179.707
Yxy	20.5865, 0.2426, 0.3634
Android (android.graphics.Color)	4280585340 (0xFF248C7C)
YUV	107.0800, 8.3416, -62.3372
Hunter-Lab	45.3723, -25.3342, 2.5942

Details

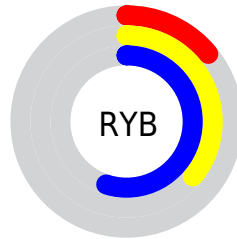
The Yxy color **20.5865, 0.2426, 0.3634** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0836, 0.5217, 0.3063**, and the grayscale version is **14.7130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3148, 0.2585, 0.3562**, and **7.6528, 0.2377, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.3291, 0.2396, 0.3687**, and if you desaturate by 10%, it is **20.9452, 0.2474, 0.3581**.

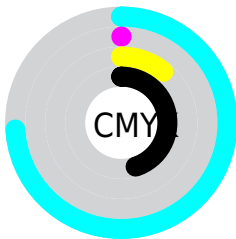
Distribution



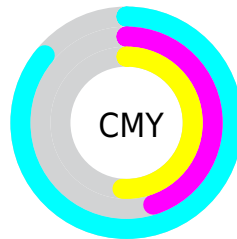
- Red (14%)
- Green (55%)
- Blue (49%)



- Red (14%)
- Yellow (36%)
- Blue (55%)



- Cyan (74%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)



- Cyan (86%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5865, 0.2426, 0.3634 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 20.5865, 0.2426, 0.3634 by changing the saturation by 10% instead.

■ 20.5865, 0.2426,
0.3634

■ 20.5865, 0.2426,
0.3634

■ 255.0727, 0.2821,
0.3440

■ 12.8221, 0.2310,
0.3691

■ 44.3983, 0.2582,
0.3557

■ 7.3061, 0.2148,
0.3771

■ 61.2145, 0.2637,
0.3531

■ 3.6543, 0.1909,
0.3889

■ 81.8168, 0.2681,
0.3509

■ 1.4821, 0.1430,
0.4125

■ 106.5895, 0.2719,
0.3490

■ 0.2761, 0.0000,
0.4887

■ 135.9171, 0.2750,
0.3475

■ 0.0000, 0.0000,
0.0000

■ 170.1839, 0.2777,

0.3462

209.7743, 0.2801,
0.3450

■ 20.5865, 0.2426,
0.3634

■ 20.5865, 0.2426,
0.3634

■ 20.3291, 0.2396,
0.3687

■ 20.9452, 0.2474,
0.3581

■ 20.1576, 0.2384,
0.3740

■ 21.4132, 0.2540,
0.3529

■ 20.0766, 0.2381,
0.3770

■ 22.0002, 0.2622,
0.3479

■ 22.7142, 0.2719,
0.3431

■ 23.5628, 0.2828,
0.3386

■ 24.5526, 0.2946,
0.3344

■ 25.6900, 0.3072,
0.3306

■ 26.9809, 0.3202,
0.3271

■ 28.4311, 0.3334,
0.3239

Harmonies

Analogous

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



20.5865, 0.2933, 0.4176



20.5865, 0.2426, 0.3634



20.5865, 0.2122, 0.3026

Triad

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



20.5865, 0.2426, 0.3634



20.5865, 0.2659, 0.2382



20.5865, 0.4309, 0.3850

Complementary

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



20.5865, 0.2426, 0.3634



7.0836, 0.5217, 0.3063

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.



20.5865, 0.4246, 0.3388



20.5865, 0.2426, 0.3634



20.5865, 0.3237, 0.2588

Square

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



20.5865, 0.2426, 0.3634



20.5865, 0.2248, 0.2370



20.5865, 0.3838, 0.2944



20.5865, 0.4030, 0.4233

Rectangle

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



20.5865, 0.2426, 0.3634



20.5865, 0.2055, 0.2704



20.5865, 0.3838, 0.2944



20.5865, 0.4329, 0.3699

Sweetspot

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



20.5873, 0.2426, 0.3634



41.8422, 0.2849, 0.3378



19.6499, 0.3132, 0.5504



9.5529, 0.2822, 0.3388



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.5873, 0.2426, 0.3634



35.6255, 0.2387, 0.3722



12.4381, 0.2124, 0.2506



5.6756, 0.3010, 0.3324



17.8403, 0.2380, 0.3768



0.1202, 0.2309, 0.3512

Inverse Universe

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



7.0836, 0.5217, 0.3063



10.5142, 0.5864, 0.3117



10.1651, 0.5052, 0.3842



5.0603, 0.3258, 0.3257



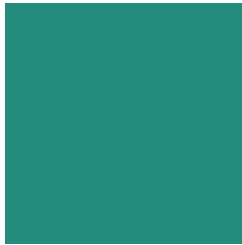
5.0060, 0.6134, 0.3153



0.0346, 0.5307, 0.2697

Previews

White Background



This preview shows how the Yxy color 20.5865, 0.2426, 0.3634 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 20.5865, 0.2426, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

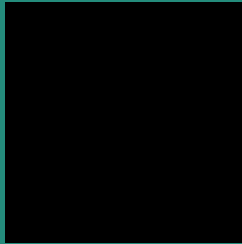
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5865, 0.2426, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 20.5865, 0.2426, 0.3634.

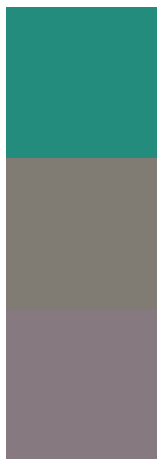


This preview shows how white text looks on a background with the Yxy color 20.5865, 0.2426, 0.3634.

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

20.5865, 0.2426, 0.3634

Protanopia

20.3202, 0.3292, 0.3456

Deuteranopia

20.3842, 0.3220, 0.3167



Tritanopia

20.7075, 0.2312, 0.3068

Trichromacy



Original Color

20.5865, 0.2426, 0.3634

Protanomaly

19.7062, 0.2863, 0.3533

Deuteranomaly

19.6233, 0.2815, 0.3309

Tritanomaly

20.5989, 0.2352, 0.3267

Monochromacy



Original Color

20.5865, 0.2426, 0.3634

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.1352, 0.2750, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5865, 0.2426, 0.3634 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(36, 140, 124)` looks like.

```
.text, #text, p{  
    color:rgb(36, 140, 124)  
}
```

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(36, 140, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 140, 124) }
```

Border

The CSS property to change the border of an element to Yxy 20.5865, 0.2426, 0.3634 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(36, 140, 124) }
```

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

```
.border{ border-color:rgb(36, 140, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 140, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 140, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 140, 124);  
box-shadow:4px 4px 4px 4px rgb(36, 140,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5865, 0.2426, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 140, 124) }
```

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

```
.background{ background-color: rgb(36, 140,  
124) }
```

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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