

Converting Colors

$Y_{xy}(20.9903, 0.2514, 0.3265)$

Have a look what the booklet for
Yxy(20.9903, 0.2514, 0.3265)
contains.

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Color

Yxy(21.1428, 0.2517, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	49898A
RGB	73, 137, 138
RGB Percent	29%, 54%, 54%
CMY	0.7135, 0.4628, 0.4588
CMYK	0.47, 0.01, 0.00, 0.46
HSL	181°, 31%, 41%
HSV	181°, 47%, 54%
XYZ	16.2841, 21.1428, 27.2696
YIQ	117.9780, -38.4650, -13.2570

Conversions

Conversions Part 2

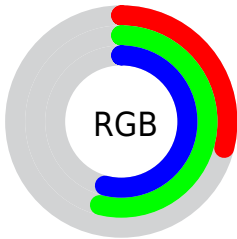
Format	Color
R_{YB}	73, 105, 138
Decimal	4819338
CIE _{Lab}	53.11, -20.17, -6.92
CIE _{LCh}	53, 21.321, 198.939
Yxy	21.1428, 0.2517, 0.3268
Android (android.graphics.Color)	4283009418 (0xFF49898A)
YUV	117.9780, 9.8708, -39.4457
Hunter-Lab	45.9813, -17.2522, -2.9755

Details

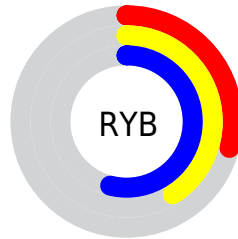
The Yxy color **21.1428, 0.2517, 0.3268** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.7923, 0.4340, 0.3312**, and the grayscale version is **18.0915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4588, 0.2651, 0.3289**, and **7.6143, 0.2288, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **20.6015, 0.2427, 0.3263**, and if you desaturate by 10%, it is **21.8055, 0.2624, 0.3273**.

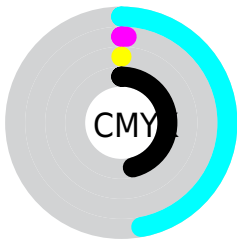
Distribution



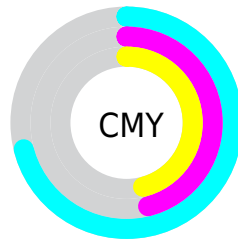
- Red (29%)
- Green (54%)
- Blue (54%)



- Red (29%)
- Yellow (41%)
- Blue (54%)



- Cyan (47%)
- Magenta (1%)
- Yellow (0%)
- Black (46%)




- Cyan (71%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1428, 0.2517, 0.3268 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 21.1428, 0.2517, 0.3268 by changing the saturation by 10% instead.


 21.1428, 0.2517,
0.3268


 21.1428, 0.2517,
0.3268


258.0364, 0.2857,
0.3287


 13.2284, 0.2419,
0.3259


 45.3251, 0.2650,
0.3277


 7.5860, 0.2284,
0.3245


 62.3618, 0.2697,
0.3280

 3.8312, 0.2086,
0.3217

 83.2080, 0.2735,
0.3282

 1.5796, 0.1775,
0.3158

 108.2482, 0.2767,
0.3284

 0.3438, 0.0000,
0.2860

 137.8667, 0.2795,
0.3285

 0.0000, 0.0000,
0.0000

172.4480, 0.2818,

0.3286

212.3765, 0.2839,
0.3286

■ 21.1428, 0.2517,
0.3268

■ 21.1428, 0.2517,
0.3268

■ 20.6015, 0.2427,
0.3263

■ 21.8055, 0.2624,
0.3273

■ 20.1712, 0.2354,
0.3258

■ 22.5944, 0.2745,
0.3278

■ 19.8437, 0.2299,
0.3253


■ 23.5171, 0.2879,
0.3283


■ 19.6086, 0.2262,
0.3248

■ 24.5797, 0.3022,
0.3287

■ 19.4470, 0.2240,
0.3243


■ 25.7882, 0.3172,
0.3291

 19.4031, 0.2234,
0.3241

 27.1479, 0.3326,
0.3295

 28.6641, 0.3481,
0.3298

 30.3418, 0.3636,
0.3302

 32.1858, 0.3789,
0.3304

Harmonies

Analogous

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



21.1428, 0.2784, 0.3644



21.1428, 0.2517, 0.3268



21.1428, 0.2409, 0.2929

Triad

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



21.1428, 0.2517, 0.3268



21.1428, 0.3064, 0.2753



21.1428, 0.3808, 0.3846

Complementary

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



21.1428, 0.2517, 0.3268



10.7923, 0.4340, 0.3312

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.



21.1428, 0.3902, 0.3577



21.1428, 0.2517, 0.3268



21.1428, 0.3457, 0.2967

Square

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



21.1428, 0.2517, 0.3268



21.1428, 0.2709, 0.2660



21.1428, 0.3772, 0.3261



21.1428, 0.3529, 0.3984

Rectangle

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



21.1428, 0.2517, 0.3268



21.1428, 0.2435, 0.2770



21.1428, 0.3772, 0.3261



21.1428, 0.3863, 0.3766

Sweetspot

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



21.1436, 0.2517, 0.3268



41.9414, 0.2918, 0.3284



20.0793, 0.3061, 0.4711



9.3314, 0.2891, 0.3283



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.1436, 0.2517, 0.3268



36.2987, 0.2425, 0.3263



13.4656, 0.2398, 0.2594



5.6755, 0.2991, 0.3286



17.7902, 0.2234, 0.3241



0.1202, 0.2241, 0.3266

Inverse Universe

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



11.9823, 0.3194, 0.2202



18.2221, 0.3208, 0.2004



16.0973, 0.4054, 0.3886



5.1277, 0.3139, 0.3078



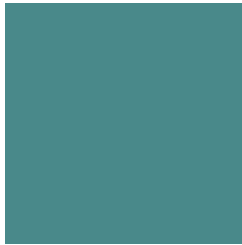
6.5801, 0.3247, 0.1563



0.0439, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 21.1428, 0.2517, 0.3268 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 21.1428, 0.2517, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

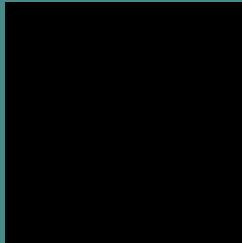
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1428, 0.2517, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 21.1428, 0.2517, 0.3268.

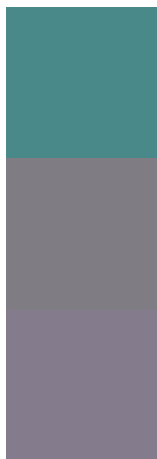


This preview shows how white text looks on a background with the Yxy color 21.1428, 0.2517, 0.3268.

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

21.1428, 0.2517, 0.3268

Protanopia

20.8180, 0.3085, 0.3182

Deuteranopia

20.9945, 0.3035, 0.2977



Tritanopia

21.2514, 0.2467, 0.3075

Trichromacy



Original Color

21.1428, 0.2517, 0.3268

Protanomaly

20.5475, 0.2832, 0.3194

Deuteranomaly

20.7113, 0.2815, 0.3067

Tritanomaly

21.1178, 0.2482, 0.3131

Monochromacy



Original Color

21.1428, 0.2517, 0.3268

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9727, 0.2863, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1428, 0.2517, 0.3268 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(73, 137, 138)` looks like.

```
.text, #text, p{  
    color:rgb(73, 137, 138)  
}
```

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(73, 137, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 137, 138) }
```

Border

The CSS property to change the border of an element to Yxy 21.1428, 0.2517, 0.3268 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(73, 137, 138) }
```

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

```
.border{ border-color:rgb(73, 137, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 137, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 137, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 137, 138);  
box-shadow:4px 4px 4px 4px rgb(73, 137,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1428, 0.2517, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 137, 138) }
```

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

```
.background{ background-color: rgb(73, 137,  
138) }
```

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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