

Converting Colors

$Yxy(21.1223, 0.2488, 0.3553)$

Have a look what the booklet for
Yxy(21.1223, 0.2488, 0.3553)
contains.

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Color

$\text{Yxy}(21.0727, 0.2489, 0.3561)$

Conversions

Conversions Part 1

Format	Color
Hex	368C7F
RGB	54, 140, 127
RGB Percent	21%, 55%, 50%
CMY	0.7884, 0.4510, 0.5019
CMYK	0.61, 0.00, 0.09, 0.45
HSL	171°, 44%, 38%
HSV	171°, 61%, 55%
XYZ	14.7290, 21.0727, 23.3747
YIQ	112.8040, -47.0830, -22.2750

Conversions

Conversions Part 2

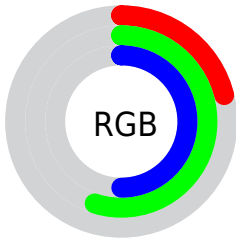
Format	Color
RYB	54, 101, 140
Decimal	3574911
CIELab	53.03, -28.97, -0.74
CIElCh	53, 28.984, 181.461
Yxy	21.0727, 0.2489, 0.3561
Android (android.graphics.Color)	4281764991 (0xFF368C7F)
YUV	112.8040, 6.9986, -51.5711
Hunter-Lab	45.9050, -23.0606, 1.9433

Details

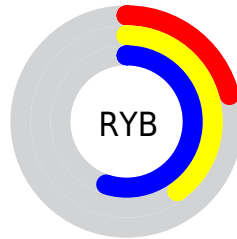
The Yxy color **21.0727, 0.2489, 0.3561** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.6148, 0.4689, 0.3073**, and the grayscale version is **16.4390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1939, 0.2627, 0.3496**, and **7.6948, 0.2348, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **20.6861, 0.2436, 0.3613**, and if you desaturate by 10%, it is **21.5736, 0.2560, 0.3511**.

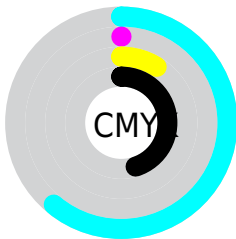
Distribution



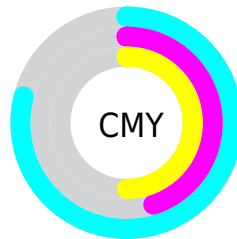
- Red (21%)
- Green (55%)
- Blue (50%)



- Red (21%)
- Yellow (40%)
- Blue (55%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)





- Cyan (79%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0727, 0.2489, 0.3561 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 21.0727, 0.2489, 0.3561 by changing the saturation by 10% instead.


 21.0727, 0.2489,
0.3561


 21.0727, 0.2489,
0.3561


257.6646, 0.2847,
0.3410


 13.1772, 0.2384,
0.3605


 45.2085, 0.2630,
0.3502


 7.5506, 0.2238,
0.3665


 62.2175, 0.2679,
0.3481

 3.8088, 0.2023,
0.3753

 83.0332, 0.2720,
0.3464

 1.5672, 0.1653,
0.3904

 108.0399, 0.2754,
0.3449

 0.3353, 0.0000,
0.4458

 137.6220, 0.2783,
0.3437

 0.0000, 0.0000,
0.0000

172.1638, 0.2807,

0.3427

212.0499, 0.2829,
0.3418

■ 21.0727, 0.2489,
0.3561

■ 21.0727, 0.2489,
0.3561

■ 20.6861, 0.2436,
0.3613

■ 21.5736, 0.2560,
0.3511

■ 20.4015, 0.2401,
0.3665

■ 22.1950, 0.2647,
0.3462

■ 20.2081, 0.2384,
0.3717

■ 22.9456, 0.2747,
0.3416

■ 20.0865, 0.2378,
0.3761

■ 23.8326, 0.2860,
0.3372

■ 24.8627, 0.2981,
0.3332

■ 26.0421, 0.3108,
0.3295

■ 27.3766, 0.3239,
0.3262

■ 28.8718, 0.3372,
0.3232

■ 30.5329, 0.3504,
0.3205

Harmonies

Analogous

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



21.0727, 0.2933, 0.4035



21.0727, 0.2489, 0.3561



21.0727, 0.2226, 0.3038

Triad

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



21.0727, 0.2489, 0.3561



21.0727, 0.2743, 0.2487



21.0727, 0.4161, 0.3819

Complementary

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



21.0727, 0.2489, 0.3561



8.6148, 0.4689, 0.3073

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.



21.0727, 0.4119, 0.3411



21.0727, 0.2489, 0.3561



21.0727, 0.3259, 0.2680

Square

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



21.0727, 0.2489, 0.3561



21.0727, 0.2364, 0.2469



21.0727, 0.3778, 0.3008



21.0727, 0.3907, 0.4141

Rectangle

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



21.0727, 0.2489, 0.3561



21.0727, 0.2173, 0.2759



21.0727, 0.3778, 0.3008



21.0727, 0.4183, 0.3688

Sweetspot

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



21.0735, 0.2489, 0.3561



42.5468, 0.2896, 0.3359



20.2634, 0.3155, 0.5136



9.6993, 0.2865, 0.3370



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.



21.0735, 0.2489, 0.3561



36.2412, 0.2419, 0.3634



14.1160, 0.2259, 0.2664



5.6759, 0.3010, 0.3323



17.8486, 0.2377, 0.3759



0.1202, 0.2308, 0.3508

Inverse Universe

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



8.6148, 0.4689, 0.3073



12.2775, 0.5277, 0.3069



11.9733, 0.4611, 0.3795



5.0601, 0.3258, 0.3257



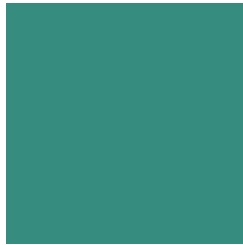
5.0046, 0.6140, 0.3156



0.0346, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 21.0727, 0.2489, 0.3561 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 21.0727, 0.2489, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

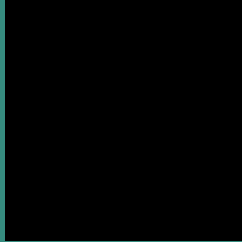
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0727, 0.2489, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 21.0727, 0.2489, 0.3561.

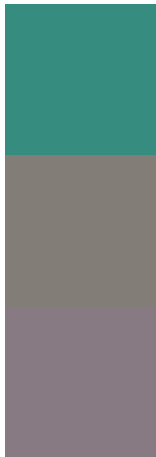


This preview shows how white text looks on a background with the Yxy color 21.0727, 0.2489, 0.3561.

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

21.0727, 0.2489, 0.3561

Protanopia

20.7450, 0.3256, 0.3399

Deuteranopia

20.7920, 0.3196, 0.3133



Tritanopia

21.0862, 0.2380, 0.3071

Trichromacy



Original Color

21.0727, 0.2489, 0.3561

Protanomaly

20.1952, 0.2897, 0.3447

Deuteranomaly

20.3764, 0.2860, 0.3270

Tritanomaly

21.0311, 0.2422, 0.3248

Monochromacy



Original Color

21.0727, 0.2489, 0.3561

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7492, 0.2823, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0727, 0.2489, 0.3561 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(54, 140, 127)` looks like.

```
.text, #text, p{  
  color:rgb(54, 140, 127)  
}
```

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(54, 140, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 140, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.0727, 0.2489, 0.3561 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(54, 140, 127) }
```

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

```
.border{ border-color:rgb(54, 140, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 140, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 140, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 140, 127);  
box-shadow:4px 4px 4px 4px rgb(54, 140,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0727, 0.2489, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 140, 127) }
```

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

```
.background{ background-color: rgb(54, 140,  
127) }
```

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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