

Converting Colors

$Y_{xy}(21.0254, 0.2555, 0.3723)$

Have a look what the booklet for
Yxy(21.0254, 0.2555, 0.3723)
contains.

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Color

$Y_{xy}(20.9530, 0.2553, 0.3715)$

Conversions

Conversions Part 1

Format	Color
Hex	388C78
RGB	56, 140, 120
RGB Percent	22%, 55%, 47%
CMY	0.7803, 0.4510, 0.5295
CMYK	0.60, 0.00, 0.14, 0.45
HSL	166°, 43%, 38%
HSV	166°, 60%, 55%
XYZ	14.3992, 20.9530, 21.0489
YIQ	112.6040, -43.6440, -24.0280

Conversions

Conversions Part 2

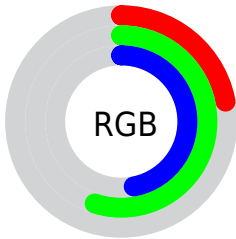
Format	Color
RYB	56, 104, 140
Decimal	3705976
CIELab	52.90, -30.43, 3.15
CIElCh	53, 30.592, 174.096
Yxy	20.9530, 0.2553, 0.3715
Android (android.graphics.Color)	4281896056 (0xFF388C78)
YUV	112.6040, 3.6462, -49.6417
Hunter-Lab	45.7744, -23.9548, 4.7783

Details

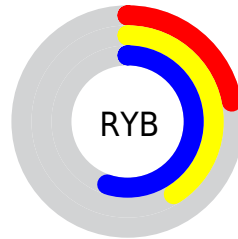
The Yxy color **20.9530, 0.2553, 0.3715** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9289, 0.4464, 0.2945**, and the grayscale version is **16.3908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9416, 0.2681, 0.3619**, and **7.6126, 0.2407, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **20.5255, 0.2504, 0.3800**, and if you desaturate by 10%, it is **21.4978, 0.2620, 0.3633**.

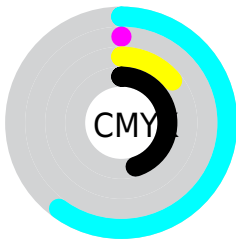
Distribution



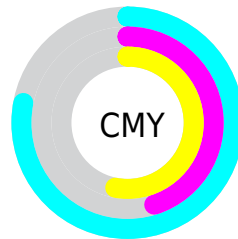
- Red (22%)
- Green (55%)
- Blue (47%)



- Red (22%)
- Yellow (41%)
- Blue (55%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)



- Cyan (78%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9530, 0.2553, 0.3715 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 20.9530, 0.2553, 0.3715 by changing the saturation by 10% instead.

■ 20.9530, 0.2553,
0.3715

■ 20.9530, 0.2553,
0.3715

■ 257.0286, 0.2879,
0.3471

■ 13.0897, 0.2456,
0.3790

■ 45.0093, 0.2682,
0.3617

■ 7.4903, 0.2320,
0.3896

■ 61.9710, 0.2727,
0.3583

■ 3.7706, 0.2115,
0.4059

■ 82.7344, 0.2764,
0.3556

■ 1.5461, 0.1733,
0.4362

■ 107.6837, 0.2795,
0.3533

■ 0.3208, 0.0000,
0.7127

■ 137.2034, 0.2821,
0.3514

■ 0.0000, 0.0000,
0.0000

171.6778, 0.2843,

0.3497

211.4914, 0.2862,
0.3483

■ 20.9530, 0.2553,
0.3715

■ 20.9530, 0.2553,
0.3715

■ 20.5255, 0.2504,
0.3800

■ 21.4978, 0.2620,
0.3633

■ 20.2031, 0.2473,
0.3886

■ 22.1661, 0.2701,
0.3554

■ 19.9754, 0.2460,
0.3972

■ 22.9664, 0.2795,
0.3480

■ 19.8107, 0.2461,
0.4058

■ 23.9058, 0.2900,
0.3411

■ 19.8104, 0.2461,
0.4058

■ 24.9910, 0.3011,
0.3348

■ 26.2281, 0.3127,
0.3290

■ 27.6230, 0.3246,
0.3238

■ 29.1811, 0.3366,
0.3191

■ 30.9077, 0.3484,
0.3150

Harmonies

Analogous

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



20.9530, 0.3052, 0.4170



20.9530, 0.2553, 0.3715



20.9530, 0.2225, 0.3148

Triad

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



20.9530, 0.2553, 0.3715



20.9530, 0.2606, 0.2423



20.9530, 0.4240, 0.3741

Complementary

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



20.9530, 0.2553, 0.3715



8.9289, 0.4464, 0.2945

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.



20.9530, 0.4115, 0.3306



20.9530, 0.2553, 0.3715



20.9530, 0.3124, 0.2585

Square

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



20.9530, 0.2553, 0.3715



20.9530, 0.2257, 0.2452



20.9530, 0.3690, 0.2897



20.9530, 0.4039, 0.4117

Rectangle

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



20.9530, 0.2553, 0.3715



20.9530, 0.2132, 0.2825



20.9530, 0.3690, 0.2897



20.9530, 0.4236, 0.3598

Sweetspot

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



20.9538, 0.2553, 0.3715



42.4351, 0.2917, 0.3401



20.6211, 0.3224, 0.5053



9.6701, 0.2889, 0.3418



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.



20.9538, 0.2553, 0.3715



35.9652, 0.2490, 0.3830



15.9305, 0.2311, 0.2840



5.6686, 0.3021, 0.3343



17.6051, 0.2459, 0.4054



0.1192, 0.2348, 0.3653

Inverse Universe

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



8.9289, 0.4464, 0.2945



12.7765, 0.4968, 0.2918



11.1719, 0.4649, 0.3662



5.0669, 0.3246, 0.3238



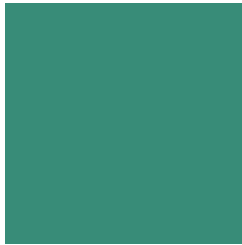
5.0562, 0.5902, 0.3025



0.0356, 0.4891, 0.2468

Previews

White Background



This preview shows how the Yxy color 20.9530, 0.2553, 0.3715 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 20.9530, 0.2553, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

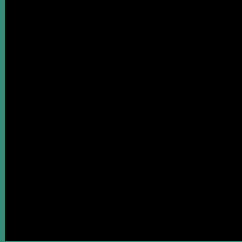
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9530, 0.2553, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 20.9530, 0.2553, 0.3715.

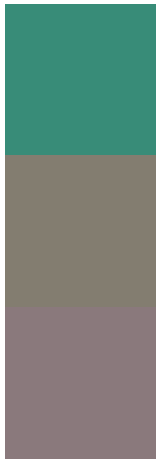


This preview shows how white text looks on a background with the Yxy color 20.9530, 0.2553, 0.3715.

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

20.9530, 0.2553, 0.3715

Protanopia

20.6624, 0.3350, 0.3528

Deuteranopia

20.5333, 0.3305, 0.3238



Tritanopia

20.8732, 0.2401, 0.3071

Trichromacy



Original Color

20.9530, 0.2553, 0.3715

Protanomaly

20.1461, 0.2989, 0.3588

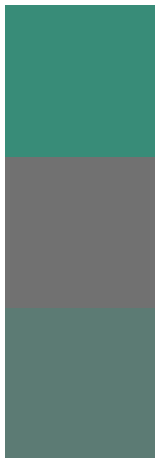
Deuteranomaly

20.0565, 0.2951, 0.3387

Tritanomaly

20.7216, 0.2451, 0.3288

Monochromacy



Original Color

20.9530, 0.2553, 0.3715

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7022, 0.2843, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9530, 0.2553, 0.3715 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(56, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(56, 140, 120)  
}
```

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(56, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 140, 120) }
```

Border

The CSS property to change the border of an element to Yxy 20.9530, 0.2553, 0.3715 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(56, 140, 120) }
```

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

```
.border{ border-color:rgb(56, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(56, 140,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9530, 0.2553, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 140, 120) }
```

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

```
.background{ background-color: rgb(56, 140,  
120) }
```

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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