

Converting Colors

$Y_{xy}(20.7895, 0.2547, 0.3769)$

Have a look what the booklet for
Yxy(20.7895, 0.2547, 0.3769)
contains.

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Color

Yxy(20.7942, 0.2545, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	348C76
RGB	52, 140, 118
RGB Percent	20%, 55%, 46%
CMY	0.7958, 0.4510, 0.5372
CMYK	0.63, 0.00, 0.16, 0.45
HSL	165°, 46%, 38%
HSV	165°, 63%, 55%
XYZ	14.0673, 20.7942, 20.4128
YIQ	111.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

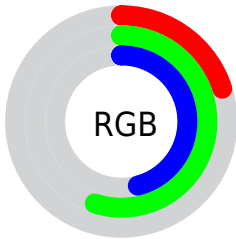
Format	Color
R_{YB}	52, 102, 140
Decimal	3443830
CIE _{Lab}	52.72, -31.74, 4.02
CIE _{LCh}	53, 31.995, 172.777
Yxy	20.7942, 0.2545, 0.3762
Android (android.graphics.Color)	4281633910 (0xFF348C76)
YUV	111.1800, 3.3623, -51.9009
Hunter-Lab	45.6007, -24.7358, 5.3797

Details

The Yxy color **20.7942, 0.2545, 0.3762** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5334, 0.4541, 0.2917**, and the grayscale version is **15.9576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6740, 0.2676, 0.3652**, and **7.5870, 0.2427, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **20.3947, 0.2502, 0.3852**, and if you desaturate by 10%, it is **21.3087, 0.2606, 0.3675**.

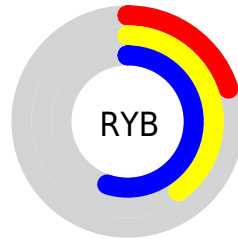
Distribution



Red (20%)

Green (55%)

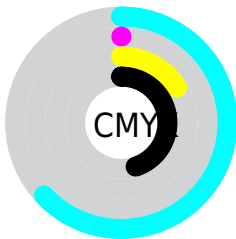
Blue (46%)



Red (20%)

Yellow (40%)

Blue (55%)

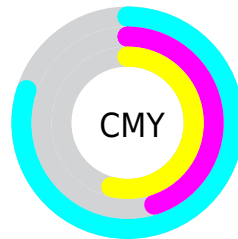


Cyan (63%)

Magenta (0%)

Yellow (16%)

Black (45%)



Cyan (80%)

Magenta (45%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7942, 0.2545, 0.3762 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 20.7942, 0.2545, 0.3762 by changing the saturation by 10% instead.


 20.7942, 0.2545,
0.3762


 20.7942, 0.2545,
0.3762


 256.1828, 0.2876,
0.3490


 12.9737, 0.2446,
0.3846


 44.7448, 0.2677,
0.3652


 7.4104, 0.2306,
0.3966


 61.6436, 0.2723,
0.3614


 3.7201, 0.2096,
0.4152

 82.3373, 0.2760,
0.3584


 1.5182, 0.1676,
0.4513

 107.2103, 0.2791,
0.3558

 0.3015, 0.0000,
0.8650

 136.6469, 0.2817,
0.3537

 0.0000, 0.0000,
0.0000

 171.0316, 0.2840,

0.3519

210.7487, 0.2859,
0.3503

■ 20.7942, 0.2545,
0.3762

■ 20.7942, 0.2545,
0.3762

■ 20.3947, 0.2502,
0.3852

■ 21.3087, 0.2606,
0.3675

■ 20.0976, 0.2477,
0.3943

■ 21.9445, 0.2683,
0.3591

■ 19.8919, 0.2470,
0.4033

■ 22.7105, 0.2772,
0.3511

■ 19.7742, 0.2472,
0.4099

■ 23.6140, 0.2873,
0.3437

■ 24.6617, 0.2981,
0.3369

■ 25.8599, 0.3095,
0.3306

■ 27.2145, 0.3211,
0.3250

■ 28.7312, 0.3329,
0.3200

■ 30.4151, 0.3446,
0.3155

Harmonies

Analogous

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



20.7942, 0.3071, 0.4231



20.7942, 0.2545, 0.3762



20.7942, 0.2195, 0.3163

Triad

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



20.7942, 0.2545, 0.3762



20.7942, 0.2561, 0.2383



20.7942, 0.4295, 0.3737

Complementary

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



20.7942, 0.2545, 0.3762



8.5334, 0.4541, 0.2917

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.



20.7942, 0.4149, 0.3284



20.7942, 0.2545, 0.3762



20.7942, 0.3096, 0.2543

Square

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



20.7942, 0.2545, 0.3762



20.7942, 0.2208, 0.2420



20.7942, 0.3692, 0.2863



20.7942, 0.4095, 0.4137

Rectangle

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



20.7942, 0.2545, 0.3762



20.7942, 0.2092, 0.2820



20.7942, 0.3692, 0.2863



20.7942, 0.4286, 0.3587

Sweetspot

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



20.7950, 0.2545, 0.3762



42.2346, 0.2909, 0.3413



20.5204, 0.3236, 0.5130



9.6277, 0.2882, 0.3431



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.



20.7950, 0.2545, 0.3762



35.7412, 0.2490, 0.3886



15.9340, 0.2289, 0.2848



5.6676, 0.3022, 0.3345



17.5749, 0.2471, 0.4094



0.1191, 0.2354, 0.3674

Inverse Universe

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



8.5334, 0.4541, 0.2917



12.2945, 0.5054, 0.2899



10.5354, 0.4774, 0.3646



5.0678, 0.3244, 0.3236



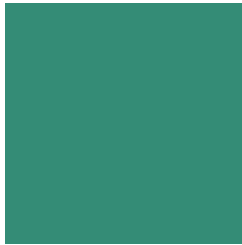
5.0648, 0.5864, 0.3004



0.0357, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 20.7942, 0.2545, 0.3762 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 20.7942, 0.2545, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

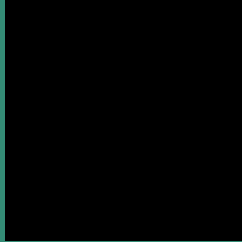
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7942, 0.2545, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 20.7942, 0.2545, 0.3762.



This preview shows how white text looks on a background with the Yxy color 20.7942, 0.2545, 0.3762.

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

20.7942, 0.2545, 0.3762

Protanopia

20.6183, 0.3373, 0.3565

Deuteranopia

20.4832, 0.3329, 0.3273



Tritanopia

20.8049, 0.2389, 0.3071

Trichromacy



Original Color

20.7942, 0.2545, 0.3762

Protanomaly

19.9823, 0.2988, 0.3631

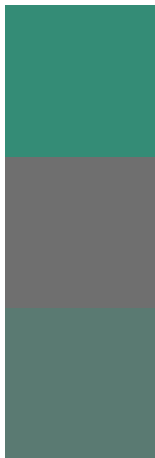
Deuteranomaly

19.9446, 0.2961, 0.3426

Tritanomaly

20.6296, 0.2446, 0.3309

Monochromacy



Original Color

20.7942, 0.2545, 0.3762

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.3076, 0.2841, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7942, 0.2545, 0.3762 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(52, 140, 118)` looks like.

```
.text, #text, p{  
    color:rgb(52, 140, 118)  
}
```

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(52, 140, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 140, 118) }
```

Border

The CSS property to change the border of an element to Yxy 20.7942, 0.2545, 0.3762 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(52, 140, 118) }
```

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

```
.border{ border-color:rgb(52, 140, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 140, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 140, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 140, 118);  
box-shadow:4px 4px 4px 4px rgb(52, 140,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7942, 0.2545, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 140, 118) }
```

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

```
.background{ background-color: rgb(52, 140,  
118) }
```

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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