

Converting Colors

$Y_{xy}(27.7187, 0.2694, 0.4190)$

Have a look what the booklet for
Yxy(27.7187, 0.2694, 0.4190)
contains.

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Color

$\text{Yxy}(27.7517, 0.2692, 0.4191)$

Conversions

Conversions Part 1

Format	Color
Hex	3EA173
RGB	62, 161, 115
RGB Percent	24%, 63%, 45%
CMY	0.7569, 0.3686, 0.5490
CMYK	0.62, 0.00, 0.29, 0.37
HSL	152°, 44%, 44%
HSV	152°, 62%, 63%
XYZ	17.8257, 27.7517, 20.6400
YIQ	126.1550, -44.2380, -35.2940

Conversions

Conversions Part 2

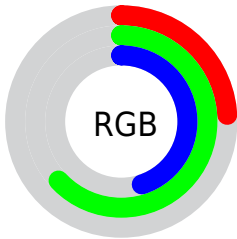
Format	Color
RYB	62, 126, 161
Decimal	4104563
CIELab	59.66, -39.93, 15.57
CIELCh	60, 42.861, 158.706
Yxy	27.7517, 0.2692, 0.4191
Android (android.graphics.Color)	4282294643 (0xFF3EA173)
YUV	126.1550, -5.4994, -56.2639
Hunter-Lab	52.6799, -31.7893, 13.6461

Details

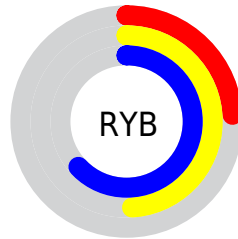
The Yxy color **27.7517, 0.2692, 0.4191** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.1034, 0.4092, 0.2590**, and the grayscale version is **20.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3377, 0.2792, 0.3993**, and **11.1304, 0.2589, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **27.1421, 0.2664, 0.4370**, and if you desaturate by 10%, it is **28.5317, 0.2737, 0.4017**.

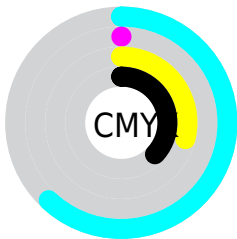
Distribution



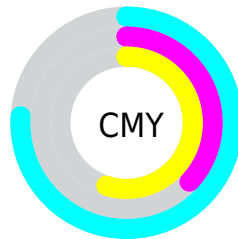
- Red (24%)
- Green (63%)
- Blue (45%)



- Red (24%)
- Yellow (49%)
- Blue (63%)



- Cyan (62%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)





- Cyan (76%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7517, 0.2692, 0.4191 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 27.7517, 0.2692, 0.4191 by changing the saturation by 10% instead.


 27.7517, 0.2692,
0.4191


 27.7517, 0.2692,
0.4191


291.2785, 0.2940,
0.3676


 18.1386, 0.2617,
0.4346


 56.0878, 0.2791,
0.3986


 11.0495, 0.2513,
0.4565


 75.5795, 0.2825,
0.3914


 6.1002, 0.2355,
0.4893


 99.1329, 0.2853,
0.3856

 2.9061, 0.2096,
0.5437

 127.1323, 0.2876,
0.3808

 1.0829, 0.0349,
0.9013

 159.9622, 0.2896,
0.3767

 0.0000, 0.0000,
0.0000

198.0070, 0.2913,

0.3733

241.6509, 0.2927,
0.3703

■ 27.7517, 0.2692,
0.4191

■ 27.7517, 0.2692,
0.4191

■ 27.1421, 0.2664,
0.4370

■ 28.5317, 0.2737,
0.4017

■ 26.6850, 0.2655,
0.4549

■ 29.4915, 0.2796,
0.3851

■ 26.3648, 0.2666,
0.4724

■ 30.6435, 0.2866,
0.3696

■ 26.1665, 0.2686,
0.4869

■ 31.9982, 0.2944,
0.3554

■ 33.5653, 0.3028,
0.3423

■ 35.3539, 0.3114,
0.3306

■ 37.3724, 0.3201,
0.3202

■ 39.6289, 0.3288,
0.3110

■ 42.1310, 0.3372,
0.3028

Harmonies

Analogous

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



27.7517, 0.3367, 0.4582



27.7517, 0.2692, 0.4191



27.7517, 0.2170, 0.3466

Triad

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



27.7517, 0.2692, 0.4191



27.7517, 0.2221, 0.2203



27.7517, 0.4517, 0.3546

Complementary

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



27.7517, 0.2692, 0.4191



12.1034, 0.4092, 0.2590

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.



27.7517, 0.4148, 0.3025



27.7517, 0.2692, 0.4191



27.7517, 0.2760, 0.2291

Square

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



27.7517, 0.2692, 0.4191



27.7517, 0.1933, 0.2355



27.7517, 0.3472, 0.2583



27.7517, 0.4449, 0.4070

Rectangle

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



27.7517, 0.2692, 0.4191



27.7517, 0.1966, 0.2987



27.7517, 0.3472, 0.2583



27.7517, 0.4441, 0.3368

Sweetspot

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



27.7528, 0.2692, 0.4191



58.1488, 0.2970, 0.3511



29.0390, 0.3419, 0.5009



12.5912, 0.2948, 0.3548



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.7528, 0.2692, 0.4191



48.2572, 0.2659, 0.4439



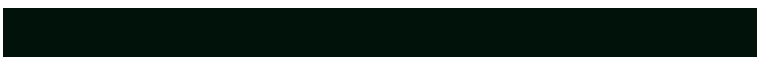
27.9496, 0.2379, 0.3228



7.9555, 0.3047, 0.3396



20.9057, 0.2682, 0.4855



0.4487, 0.2507, 0.4225

Inverse Universe

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



12.1034, 0.4092, 0.2590



17.7549, 0.4442, 0.2508



11.7387, 0.4977, 0.3343



7.1381, 0.3216, 0.3186



6.4630, 0.5067, 0.2565



0.1453, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 27.7517, 0.2692, 0.4191 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 27.7517, 0.2692, 0.4191 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 27.7517, 0.2692, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 27.7517, 0.2692, 0.4191.



This preview shows how white text looks on a background with the Yxy color 27.7517, 0.2692, 0.4191.

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

27.7517, 0.2692, 0.4191

Protanopia

27.4788, 0.3610, 0.3873

Deuteranopia

27.1399, 0.3622, 0.3555



Tritanopia

27.5635, 0.2416, 0.3061

Trichromacy



Original Color

27.7517, 0.2692, 0.4191

Protanomaly

26.9316, 0.3194, 0.4007

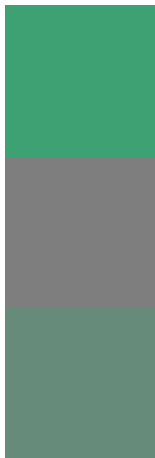
Deuteranomaly

26.3778, 0.3198, 0.3783

Tritanomaly

27.6685, 0.2515, 0.3454

Monochromacy



Original Color

27.7517, 0.2692, 0.4191

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.7539, 0.2914, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7517, 0.2692, 0.4191 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(62, 161, 115)` looks like.

```
.text, #text, p{  
    color:rgb(62, 161, 115)  
}
```

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(62, 161, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 161, 115) }
```

Border

The CSS property to change the border of an element to Yxy 27.7517, 0.2692, 0.4191 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(62, 161, 115) }
```

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

```
.border{ border-color:rgb(62, 161, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 161, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(62, 161,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7517, 0.2692, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 161, 115) }
```

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

```
.background{ background-color: rgb(62, 161,  
115) }
```

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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