

Converting Colors

$Yxy(29.7331, 0.2484, 0.3907)$

Have a look what the booklet for
Yxy(29.7331, 0.2484, 0.3907)
contains.

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Color

Yxy(29.7520, 0.2487, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	25A786
RGB	37, 167, 134
RGB Percent	15%, 65%, 53%
CMY	0.8547, 0.3451, 0.4745
CMYK	0.78, 0.00, 0.20, 0.35
HSL	165°, 64%, 40%
HSV	165°, 78%, 65%
XYZ	18.8855, 29.7520, 27.2992
YIQ	124.3680, -66.8870, -37.8230

Conversions

Conversions Part 2

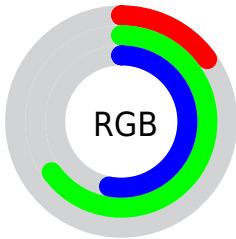
Format	Color
RYB	37, 111, 167
Decimal	2467718
CIELab	61.44, -42.03, 7.40
CIElCh	61, 42.674, 170.009
Yxy	29.7520, 0.2487, 0.3918
Android (android.graphics.Color)	4280657798 (0xFF25A786)
YUV	124.3680, 4.7486, -76.6217
Hunter-Lab	54.5454, -33.6517, 8.5079

Details

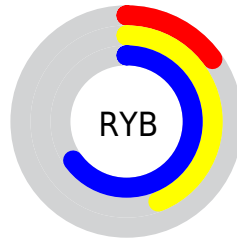
The Yxy color **29.7520, 0.2487, 0.3918** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9845, 0.5134, 0.2895**, and the grayscale version is **20.2905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3063, 0.2621, 0.3785**, and **12.6747, 0.2479, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **29.3954, 0.2474, 0.4012**, and if you desaturate by 10%, it is **30.2570, 0.2519, 0.3825**.

Distribution



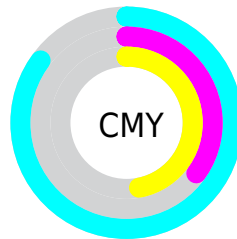
- Red (15%)
- Green (65%)
- Blue (53%)



- Red (15%)
- Yellow (44%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7520, 0.2487, 0.3918 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 29.7520, 0.2487, 0.3918 by changing the saturation by 10% instead.


 29.7520, 0.2487,
0.3918

 29.7520, 0.2487,
0.3918


300.7468, 0.2834,
0.3570


 19.6504, 0.2391,
0.4018


 59.2698, 0.2620,
0.3782


 12.1412, 0.2260,
0.4156


 79.4547, 0.2668,
0.3734

 6.8399, 0.2076,
0.4356


 103.7696, 0.2708,
0.3695

 3.3622, 0.1797,
0.4673

 132.5988, 0.2741,
0.3662

 1.3236, 0.0752,
0.5602

 166.3268, 0.2769,
0.3634

 0.1594, 0.0000,
1.0000

205.3378, 0.2794,

 0.0000, 0.0000,

0.3609

0.0000

250.0163, 0.2815,
0.3588

■ 29.7520, 0.2487,
0.3918

■ 29.7520, 0.2487,
0.3918

■ 29.3954, 0.2474,
0.4012

■ 30.2570, 0.2519,
0.3825

■ 29.1552, 0.2478,
0.4105

■ 30.9240, 0.2570,
0.3733

■ 29.1080, 0.2479,
0.4125

■ 31.7690, 0.2639,
0.3644

■ 32.8049, 0.2722,
0.3559

■ 34.0436, 0.2818,
0.3480

■ 35.4958, 0.2924,
0.3406

■ 37.1717, 0.3036,
0.3338

■ 39.0807, 0.3153,
0.3277

■ 41.2316, 0.3271,
0.3222

Harmonies

Analogous

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



29.7520, 0.3109, 0.4457



29.7520, 0.2487, 0.3918



29.7520, 0.2066, 0.3191

Triad

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



29.7520, 0.2487, 0.3918



29.7520, 0.2415, 0.2235



29.7520, 0.4506, 0.3741

Complementary

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



29.7520, 0.2487, 0.3918



9.9845, 0.5134, 0.2895

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.



29.7520, 0.4302, 0.3221



29.7520, 0.2487, 0.3918



29.7520, 0.3020, 0.2401

Square

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



29.7520, 0.2487, 0.3918



29.7520, 0.2037, 0.2292



29.7520, 0.3730, 0.2750



29.7520, 0.4291, 0.4228

Rectangle

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



29.7520, 0.2487, 0.3918



29.7520, 0.1935, 0.2774



29.7520, 0.3730, 0.2750



29.7520, 0.4486, 0.3566

Sweetspot

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



29.7532, 0.2487, 0.3918



62.0651, 0.2864, 0.3446



29.1380, 0.3205, 0.5557



13.6929, 0.2828, 0.3473



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.7532, 0.2487, 0.3918



52.3367, 0.2476, 0.4076



20.9843, 0.2151, 0.2713



8.4990, 0.3019, 0.3348



22.2816, 0.2477, 0.4116



0.5497, 0.2392, 0.3810

Inverse Universe

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



9.9845, 0.5134, 0.2895



15.4577, 0.5736, 0.2984



12.4078, 0.5400, 0.3661



7.5724, 0.3247, 0.3233



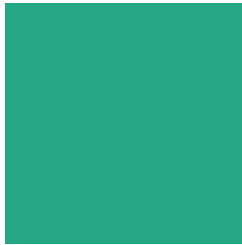
6.4237, 0.5876, 0.3011



0.1643, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 29.7520, 0.2487, 0.3918 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 29.7520, 0.2487, 0.3918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

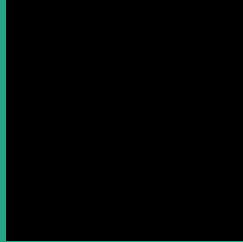
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7520, 0.2487, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 29.7520, 0.2487, 0.3918.

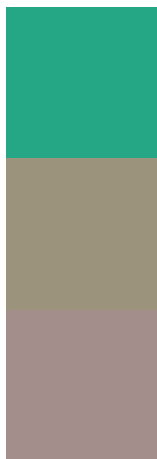


This preview shows how white text looks on a background with the Yxy color 29.7520, 0.2487, 0.3918.

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

29.7520, 0.2487, 0.3918

Protanopia

29.2912, 0.3442, 0.3655

Deuteranopia

29.1026, 0.3398, 0.3336



Tritanopia

29.5770, 0.2308, 0.3047

Trichromacy



Original Color

29.7520, 0.2487, 0.3918



Protanomaly

28.1145, 0.2954, 0.3752



Deuteranomaly

27.7909, 0.2931, 0.3533



Tritanomaly

29.4625, 0.2366, 0.3342

Monochromacy



Original Color

29.7520, 0.2487, 0.3918



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.5900, 0.2758, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7520, 0.2487, 0.3918 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(37, 167, 134)` looks like.

```
.text, #text, p{  
    color:rgb(37, 167, 134)  
}
```

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(37, 167, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 167, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.7520, 0.2487, 0.3918 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(37, 167, 134) }
```

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

```
.border{ border-color:rgb(37, 167, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 167, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 167, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 167, 134);  
box-shadow:4px 4px 4px 4px rgb(37, 167,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7520, 0.2487, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 167, 134) }
```

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

```
.background{ background-color: rgb(37, 167,  
134) }
```

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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