

Converting Colors

$Yxy(27.1925, 0.2572, 0.3472)$

Have a look what the booklet for
Yxy(27.1925, 0.2572, 0.3472)
contains.

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Color

$\text{Yxy}(27.1925, 0.2572, 0.3472)$

Conversions

Conversions Part 1

Format	Color
Hex	509B91
RGB	80, 155, 145
RGB Percent	31%, 61%, 57%
CMY	0.6861, 0.3922, 0.4313
CMYK	0.48, 0.00, 0.06, 0.39
HSL	172°, 32%, 46%
HSV	172°, 48%, 61%
XYZ	20.1438, 27.1925, 30.9832
YIQ	131.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

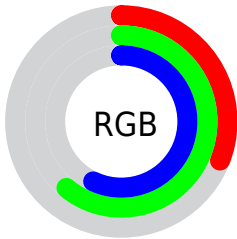
Format	Color
RYB	80, 120, 155
Decimal	5282705
CIELab	59.15, -25.83, -1.98
CIElCh	59, 25.901, 184.375
Yxy	27.1925, 0.2572, 0.3472
Android (android.graphics.Color)	4283472785 (0xFF509B91)
YUV	131.4350, 6.6875, -45.1085
Hunter-Lab	52.1464, -22.3031, 1.2749

Details

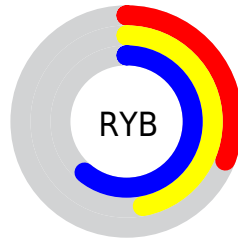
The Yxy color **27.1925, 0.2572, 0.3472** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4492, 0.4241, 0.3128**, and the grayscale version is **22.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2850, 0.2684, 0.3436**, and **10.6754, 0.2371, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **26.5315, 0.2495, 0.3516**, and if you desaturate by 10%, it is **28.0124, 0.2665, 0.3430**.

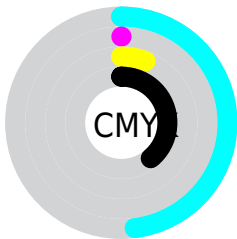
Distribution



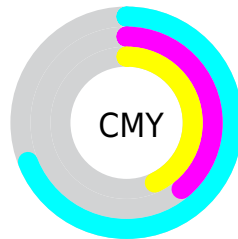
- Red (31%)
- Green (61%)
- Blue (57%)



- Red (31%)
- Yellow (47%)
- Blue (61%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (39%)



- Cyan (69%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1925, 0.2572, 0.3472 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 27.1925, 0.2572, 0.3472 by changing the saturation by 10% instead.

■ 27.1925, 0.2572,
0.3472

■ 27.1925, 0.2572,
0.3472

■ 288.5880, 0.2872,
0.3376

■ 17.7178, 0.2489,
0.3498

■ 55.1926, 0.2687,
0.3436

■ 10.7476, 0.2378,
0.3532

■ 74.4869, 0.2728,
0.3422

■ 5.8974, 0.2219,
0.3579

■ 97.8231, 0.2762,
0.3411

■ 2.7828, 0.1979,
0.3648

■ 125.5857, 0.2791,
0.3402

■ 1.0194, 0.1269,
0.3890

■ 158.1591, 0.2816,
0.3394

■ 0.0000, 0.0000,
0.0000

195.9277, 0.2837,

0.3387

239.2759, 0.2855,
0.3381

■ 27.1925, 0.2572,
0.3472

■ 27.1925, 0.2572,
0.3472

■ 26.5315, 0.2495,
0.3516

■ 28.0124, 0.2665,
0.3430

■ 26.0154, 0.2435,
0.3561

■ 28.9979, 0.2772,
0.3389

■ 25.6330, 0.2394,
0.3607

■ 30.1591, 0.2890,
0.3352

■ 25.3701, 0.2371,
0.3653

■ 31.5043, 0.3017,
0.3317

■ 25.1990, 0.2364,
0.3698

■ 33.0413, 0.3149,
0.3285

■ 25.1731, 0.2363,
0.3706

■ 34.7775, 0.3285,
0.3256

■ 36.7200, 0.3422,
0.3231

■ 38.8753, 0.3558,
0.3208

■ 41.2497, 0.3691,
0.3188

Harmonies

Analogous

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



27.1925, 0.2932, 0.3862



27.1925, 0.2572, 0.3472



27.1925, 0.2365, 0.3053

Triad

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



27.1925, 0.2572, 0.3472



27.1925, 0.2851, 0.2627



27.1925, 0.3968, 0.3770

Complementary

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



27.1925, 0.2572, 0.3472



13.4492, 0.4241, 0.3128

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.



27.1925, 0.3954, 0.3435



27.1925, 0.2572, 0.3472



27.1925, 0.3283, 0.2803

Square

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



27.1925, 0.2572, 0.3472



27.1925, 0.2517, 0.2600



27.1925, 0.3697, 0.3090



27.1925, 0.3745, 0.4013

Rectangle

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



27.1925, 0.2572, 0.3472



27.1925, 0.2331, 0.2829



27.1925, 0.3697, 0.3090



27.1925, 0.3992, 0.3664

Sweetspot

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



27.1936, 0.2572, 0.3472



54.7184, 0.2928, 0.3341



26.1965, 0.3143, 0.4735



12.2825, 0.2904, 0.3348



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.1936, 0.2572, 0.3472



47.4374, 0.2490, 0.3520



19.3846, 0.2407, 0.2764



7.0124, 0.3006, 0.3320



20.2242, 0.2362, 0.3702



0.3058, 0.2305, 0.3499

Inverse Universe

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



13.4492, 0.4241, 0.3128



19.8387, 0.4651, 0.3103



18.1724, 0.4182, 0.3748



6.2354, 0.3263, 0.3261



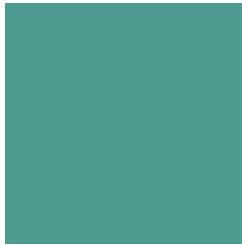
5.6431, 0.6189, 0.3183



0.0874, 0.5438, 0.2770

Previews

White Background



This preview shows how the Yxy color 27.1925, 0.2572, 0.3472 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 27.1925, 0.2572, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

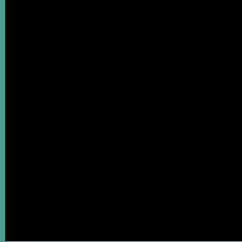
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1925, 0.2572, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 27.1925, 0.2572, 0.3472.

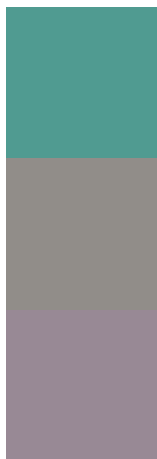


This preview shows how white text looks on a background with the Yxy color 27.1925, 0.2572, 0.3472.

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

27.1925, 0.2572, 0.3472

Protanopia

26.8756, 0.3211, 0.3356

Deuteranopia

26.7366, 0.3169, 0.3101



Tritanopia

27.1152, 0.2471, 0.3078

Trichromacy



Original Color

27.1925, 0.2572, 0.3472

Protanomaly

26.5162, 0.2930, 0.3394

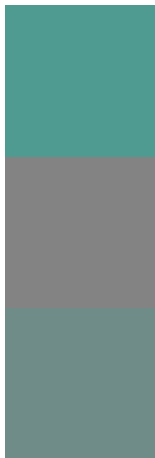
Deuteranomaly

26.5203, 0.2906, 0.3222

Tritanomaly

27.1016, 0.2508, 0.3217

Monochromacy



Original Color

27.1925, 0.2572, 0.3472

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9785, 0.2875, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1925, 0.2572, 0.3472 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(80, 155, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 155, 145)  
}
```

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(80, 155, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 155, 145) }
```

Border

The CSS property to change the border of an element to Yxy 27.1925, 0.2572, 0.3472 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(80, 155, 145) }
```

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

```
.border{ border-color:rgb(80, 155, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 155, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 155,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1925, 0.2572, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 155, 145) }
```

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

```
.background{ background-color: rgb(80, 155,  
145) }
```

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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