

Converting Colors

$Y_{xy}(25.6633, 0.2616, 0.3781)$

Have a look what the booklet for
Yxy(25.6633, 0.2616, 0.3781)
contains.

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Color

$\text{Yxy}(25.6062, 0.2618, 0.3778)$

Conversions

Conversions Part 1

Format	Color
Hex	459980
RGB	69, 153, 128
RGB Percent	27%, 60%, 50%
CMY	0.7292, 0.4000, 0.4981
CMYK	0.55, 0.00, 0.16, 0.40
HSL	162°, 38%, 44%
HSV	162°, 55%, 60%
XYZ	17.7441, 25.6062, 24.4269
YIQ	125.0340, -42.0390, -25.5830

Conversions

Conversions Part 2

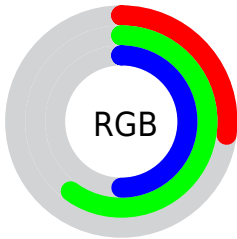
Format	Color
RYB	69, 118, 153
Decimal	4561280
CIELab	57.66, -31.74, 5.48
CIElCh	58, 32.211, 170.210
Yxy	25.6062, 0.2618, 0.3778
Android (android.graphics.Color)	4282751360 (0xFF459980)
YUV	125.0340, 1.4622, -49.1418
Hunter-Lab	50.6026, -25.9625, 6.8013

Details

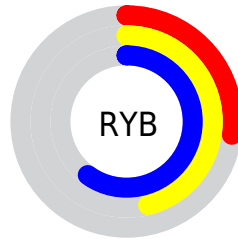
The Yxy color **25.6062, 0.2618, 0.3778** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8440, 0.4206, 0.2881**, and the grayscale version is **20.5305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7330, 0.2727, 0.3668**, and **9.8719, 0.2434, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **25.0002, 0.2565, 0.3886**, and if you desaturate by 10%, it is **26.3639, 0.2687, 0.3675**.

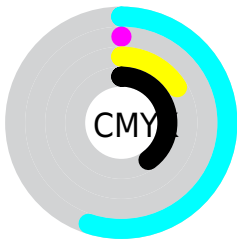
Distribution



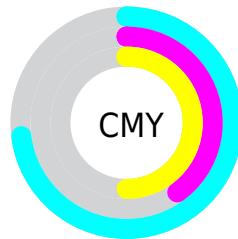
- Red (27%)
- Green (60%)
- Blue (50%)



- Red (27%)
- Yellow (46%)
- Blue (60%)



- Cyan (55%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)




- Cyan (73%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6062, 0.2618, 0.3778 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 25.6062, 0.2618, 0.3778 by changing the saturation by 10% instead.


 25.6062, 0.2618,
0.3778


 25.6062, 0.2618,
0.3778


280.8436, 0.2900,
0.3503


 16.5293, 0.2537,
0.3859


 52.6390, 0.2728,
0.3669


 9.8994, 0.2425,
0.3973

 71.3636, 0.2767,
0.3631


 5.3323, 0.2262,
0.4142

 94.0729, 0.2799,
0.3600

 2.4435, 0.2004,
0.4421

 121.1513, 0.2826,
0.3574

 0.8482, 0.0220,
0.5973

 152.9832, 0.2849,
0.3553

 0.0000, 0.0000,
0.0000

189.9529, 0.2868,

0.3534

232.4449, 0.2885,
0.3517

■ 25.6062, 0.2618,
0.3778

■ 25.6062, 0.2618,
0.3778

■ 25.0002, 0.2565,
0.3886

■ 26.3639, 0.2687,
0.3675

■ 24.5315, 0.2530,
0.3996

■ 27.2805, 0.2771,
0.3577

■ 24.1879, 0.2513,
0.4107

■ 28.3663, 0.2864,
0.3485

■ 23.9531, 0.2516,
0.4217

■ 29.6298, 0.2966,
0.3401

■ 23.8522, 0.2521,
0.4274

■ 31.0789, 0.3074,
0.3325

■ 32.7213, 0.3184,
0.3255

■ 34.5639, 0.3295,
0.3194

■ 36.6134, 0.3406,
0.3139

■ 38.8762, 0.3515,
0.3090

Harmonies

Analogous

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



25.6062, 0.3124, 0.4193



25.6062, 0.2618, 0.3778



25.6062, 0.2268, 0.3221

Triad

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



25.6062, 0.2618, 0.3778



25.6062, 0.2558, 0.2427



25.6062, 0.4226, 0.3682

Complementary

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



25.6062, 0.2618, 0.3778



11.8440, 0.4206, 0.2881

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.



25.6062, 0.4060, 0.3251



25.6062, 0.2618, 0.3778



25.6062, 0.3052, 0.2564

Square

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



25.6062, 0.2618, 0.3778



25.6062, 0.2239, 0.2482



25.6062, 0.3613, 0.2856



25.6062, 0.4067, 0.4065

Rectangle

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



25.6062, 0.2618, 0.3778



25.6062, 0.2155, 0.2888



25.6062, 0.3613, 0.2856



25.6062, 0.4208, 0.3539

Sweetspot

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



25.6072, 0.2618, 0.3778



52.7170, 0.2951, 0.3413



25.6042, 0.3265, 0.4887



11.5439, 0.2932, 0.3428



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.6072, 0.2618, 0.3778



44.5474, 0.2554, 0.3912



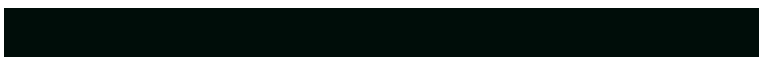
21.2342, 0.2380, 0.2965



6.9952, 0.3026, 0.3357



19.7202, 0.2518, 0.4266



0.3011, 0.2384, 0.3782

Inverse Universe

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



11.8440, 0.4206, 0.2881



17.2734, 0.4612, 0.2824



13.8328, 0.4524, 0.3570



6.2515, 0.3239, 0.3224



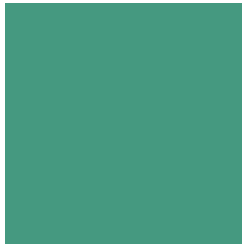
5.7628, 0.5715, 0.2922



0.0920, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 25.6062, 0.2618, 0.3778 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 25.6062, 0.2618, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

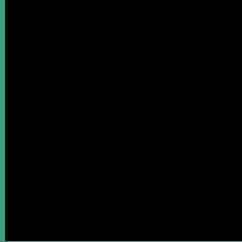
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6062, 0.2618, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 25.6062, 0.2618, 0.3778.



This preview shows how white text looks on a background with the Yxy color 25.6062, 0.2618, 0.3778.

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

25.6062, 0.2618, 0.3778

Protanopia

25.1767, 0.3387, 0.3577

Deuteranopia

25.2133, 0.3369, 0.3307



Tritanopia

25.4233, 0.2446, 0.3072

Trichromacy



Original Color

25.6062, 0.2618, 0.3778

Protanomaly

24.8569, 0.3048, 0.3654

Deuteranomaly

24.5324, 0.3024, 0.3450

Tritanomaly

25.4873, 0.2509, 0.3325

Monochromacy



Original Color

25.6062, 0.2618, 0.3778

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.8376, 0.2894, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6062, 0.2618, 0.3778 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(69, 153, 128)` looks like.

```
.text, #text, p{  
    color:rgb(69, 153, 128)  
}
```

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(69, 153, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 153, 128) }
```

Border

The CSS property to change the border of an element to Yxy 25.6062, 0.2618, 0.3778 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(69, 153, 128) }
```

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

```
.border{ border-color:rgb(69, 153, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 153, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 153, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 153, 128);  
box-shadow:4px 4px 4px 4px rgb(69, 153,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6062, 0.2618, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 153, 128) }
```

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

```
.background{ background-color: rgb(69, 153,  
128) }
```

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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