

Converting Colors

$Y_{xy}(28.1625, 0.2759, 0.3826)$

Have a look what the booklet for
Yxy(28.1625, 0.2759, 0.3826)
contains.

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Color

$Y_{xy}(28.1625, 0.2759, 0.3826)$

Conversions

Conversions Part 1

Format	Color
Hex	599E81
RGB	89, 158, 129
RGB Percent	35%, 62%, 51%
CMY	0.6510, 0.3804, 0.4941
CMYK	0.44, 0.00, 0.18, 0.38
HSL	155°, 28%, 48%
HSV	155°, 44%, 62%
XYZ	20.3085, 28.1625, 25.1372
YIQ	134.0630, -31.8150, -23.6470

Conversions

Conversions Part 2

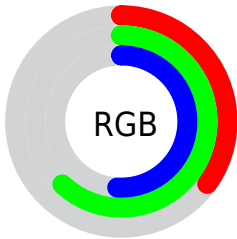
Format	Color
R_{YB}	89, 133, 158
Decimal	5873281
CIE _{Lab}	60.04, -28.82, 8.40
CIE _{LCh}	60, 30.022, 163.745
Yxy	28.1625, 0.2759, 0.3826
Android (android.graphics.Color)	4284063361 (0xFF599E81)
YUV	134.0630, -2.4961, -39.5203
Hunter-Lab	53.0684, -24.5602, 9.0636

Details

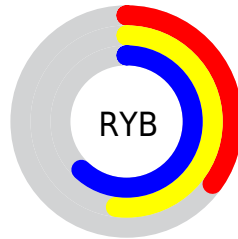
The Yxy color $28.1625, 0.2759, 0.3826$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.7198, 0.3758, 0.2821$, and the grayscale version is $23.8822, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.7167, 0.2836, 0.3706$, and $11.2623, 0.2621, 0.4027$ is the 20% darker color. If you saturate the color by 10%, you get $27.2933, 0.2699, 0.3976$, and if you desaturate by 10%, it is $29.2132, 0.2831, 0.3685$.

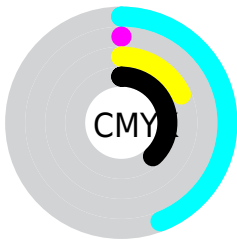
Distribution



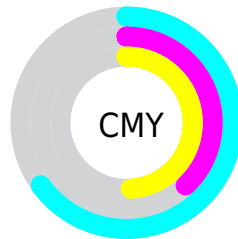
- Red (35%)
- Green (62%)
- Blue (51%)



- Red (35%)
- Yellow (52%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)





- Cyan (65%)
- Magenta (38%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1625, 0.2759, 0.3826 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 28.1625, 0.2759, 0.3826 by changing the saturation by 10% instead.


 28.1625, 0.2759,
0.3826


 28.1625, 0.2759,
0.3826

293.2426, 0.2963,
0.3526

 18.4482, 0.2700,
0.3914


 56.7438, 0.2838,
0.3708

 11.2722, 0.2620,
0.4036


 76.3795, 0.2866,
0.3667

 6.2503, 0.2502,
0.4216


 100.0912, 0.2890,
0.3633

 2.9978, 0.2315,
0.4509

 128.2633, 0.2909,
0.3604

 1.1306, 0.1674,
0.5371

161.2800, 0.2925,
0.3580

 0.0039, 0.0000,
1.0000

199.5259, 0.2940,

 0.0000, 0.0000,

0.3560

0.0000

243.3853, 0.2952,
0.3542

■ 28.1625, 0.2759,
0.3826

■ 28.1625, 0.2759,
0.3826

■ 27.2933, 0.2699,
0.3976

■ 29.2132, 0.2831,
0.3685

■ 26.5912, 0.2654,
0.4133

■ 30.4520, 0.2913,
0.3554

■ 26.0449, 0.2626,
0.4294


■ 31.8895, 0.3001,
0.3435

■ 25.6404, 0.2618,
0.4455

■ 33.5343, 0.3093,
0.3327

■ 25.3608, 0.2630,
0.4613


■ 35.3946, 0.3186,
0.3230

 25.2213, 0.2642,
0.4712

 37.4781, 0.3279,
0.3144

 39.7921, 0.3371,
0.3068

 42.3436, 0.3461,
0.3001

 45.1393, 0.3547,
0.2943

Harmonies

Analogous

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



28.1625, 0.3236, 0.4143



28.1625, 0.2759, 0.3826



28.1625, 0.2399, 0.3339

Triad

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



28.1625, 0.2759, 0.3826



28.1625, 0.2533, 0.2498



28.1625, 0.4112, 0.3570

Complementary

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



28.1625, 0.2759, 0.3826



15.7198, 0.3758, 0.2821

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.



28.1625, 0.3899, 0.3177



28.1625, 0.2759, 0.3826



28.1625, 0.2956, 0.2586

Square

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



28.1625, 0.2759, 0.3826



28.1625, 0.2280, 0.2594



28.1625, 0.3461, 0.2828



28.1625, 0.4033, 0.3933

Rectangle

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



28.1625, 0.2759, 0.3826



28.1625, 0.2265, 0.3022



28.1625, 0.3461, 0.2828



28.1625, 0.4073, 0.3438

Sweetspot

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



28.1636, 0.2759, 0.3826



58.0274, 0.3005, 0.3430



29.0907, 0.3345, 0.4501



12.9506, 0.2986, 0.3454



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.



28.1636, 0.2759, 0.3826



49.6570, 0.2702, 0.3966



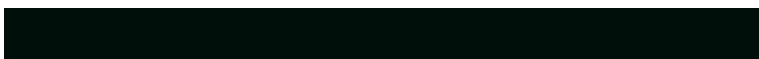
27.5067, 0.2536, 0.3207



7.4623, 0.3041, 0.3386



20.2065, 0.2639, 0.4699



0.3696, 0.2465, 0.4072

Inverse Universe

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



15.7198, 0.3758, 0.2821



24.1734, 0.3965, 0.2728



15.9230, 0.4204, 0.3369



6.6901, 0.3222, 0.3196



6.1480, 0.5247, 0.2664



0.1182, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 28.1625, 0.2759, 0.3826 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 28.1625, 0.2759, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

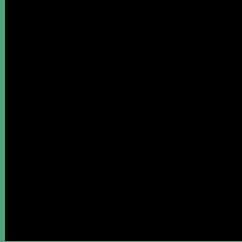
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1625, 0.2759, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 28.1625, 0.2759, 0.3826.



This preview shows how white text looks on a background with the Yxy color 28.1625, 0.2759, 0.3826.

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

28.1625, 0.2759, 0.3826

Protanopia

28.0271, 0.3438, 0.3645

Deuteranopia

27.8401, 0.3448, 0.3384



Tritanopia

28.0957, 0.2548, 0.3084

Trichromacy



Original Color

28.1625, 0.2759, 0.3826

Protanomaly

27.6427, 0.3149, 0.3703

Deuteranomaly

27.3746, 0.3147, 0.3526

Tritanomaly

28.1426, 0.2625, 0.3341

Monochromacy



Original Color

28.1625, 0.2759, 0.3826

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.1624, 0.2973, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1625, 0.2759, 0.3826 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(89, 158, 129)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 129)  
}
```

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(89, 158, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 129) }
```

Border

The CSS property to change the border of an element to Yxy 28.1625, 0.2759, 0.3826 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(89, 158, 129) }
```

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

```
.border{ border-color:rgb(89, 158, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 158, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 158, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 158, 129);  
box-shadow:4px 4px 4px 4px rgb(89, 158,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1625, 0.2759, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 129) }
```

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

```
.background{ background-color: rgb(89, 158,  
129) }
```

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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