

Converting Colors

$Y_{xy}(10.0402, 0.2254, 0.2798)$

Have a look what the booklet for
Yxy(10.0402, 0.2254, 0.2798)
contains.

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Color

$\text{Yxy}(10.0156, 0.2255, 0.2796)$

Conversions

Conversions Part 1

Format	Color
Hex	266073
RGB	38, 96, 115
RGB Percent	15%, 38%, 45%
CMY	0.8508, 0.6235, 0.5490
CMYK	0.67, 0.17, 0.00, 0.55
HSL	195°, 50%, 30%
HSV	195°, 67%, 45%
XYZ	8.0777, 10.0156, 17.7279
YIQ	80.8240, -40.6670, -6.3870

Conversions

Conversions Part 2

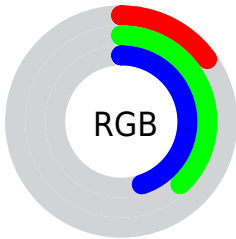
Format	Color
R _Y B	38, 71, 115
Decimal	2515059
CIE Lab	37.87, -12.37, -16.33
CIE LCh	38, 20.487, 232.855
Yxy	10.0156, 0.2255, 0.2796
Android (android.graphics.Color)	4280705139 (0xFF266073)
YUV	80.8240, 16.8488, -37.5566
Hunter-Lab	31.6474, -9.8228, -11.0592

Details

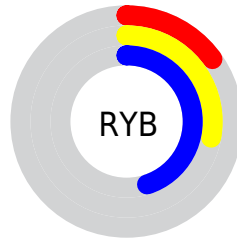
The Yxy color **10.0156, 0.2255, 0.2796** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.7155, 0.4865, 0.3676**, and the grayscale version is **8.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9328, 0.2475, 0.2941**, and **2.6865, 0.2040, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **9.3211, 0.2169, 0.2709**, and if you desaturate by 10%, it is **10.7972, 0.2358, 0.2882**.

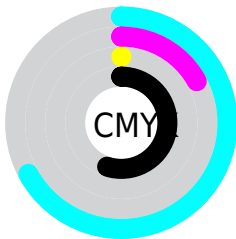
Distribution



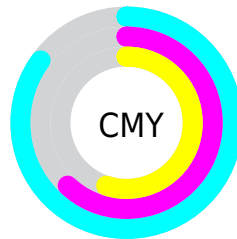
- Red (15%)
- Green (38%)
- Blue (45%)



- Red (15%)
- Yellow (28%)
- Blue (45%)



- Cyan (67%)
- Magenta (17%)
- Yellow (0%)
- Black (55%)



- Cyan (85%)
- Magenta (62%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0156, 0.2255, 0.2796 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 10.0156, 0.2255, 0.2796 by changing the saturation by 10% instead.

10.0156, 0.2255,
0.2796

10.0156, 0.2255,
0.2796

190.7834, 0.2785,
0.3112

5.4093, 0.2078,
0.2679

25.8248, 0.2477,
0.2935

2.4894, 0.1817,
0.2494

37.7966, 0.2550,
0.2979

0.8713, 0.1321,
0.2188

52.9922, 0.2609,
0.3013

0.0000, 0.0000,
0.0000

71.7962, 0.2657,
0.3041

94.5929, 0.2697,
0.3064

121.7668, 0.2731,

0.3083

153.7021, 0.2760,
0.3099

■ 10.0156, 0.2255,
0.2796

■ 10.0156, 0.2255,
0.2796

■ 9.3211, 0.2169,
0.2709

■ 10.7972, 0.2358,
0.2882

■ 8.7059, 0.2100,
0.2621

■ 11.6706, 0.2474,
0.2964

■ 8.1548, 0.2046,
0.2533

■ 12.6413, 0.2602,
0.3043

■ 7.9906, 0.2030,
0.2506

■ 13.7143, 0.2739,
0.3117

■ 14.8939, 0.2881,
0.3186

■ 16.1843, 0.3026,
0.3249

■ 17.5894, 0.3172,
0.3307

■ 19.1128, 0.3316,
0.3359

■ 20.7580, 0.3458,
0.3406

Harmonies

Analogous

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



10.0156, 0.2354, 0.3195



10.0156, 0.2255, 0.2796



10.0156, 0.2363, 0.2570

Triad

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



10.0156, 0.2255, 0.2796



10.0156, 0.3592, 0.2938



10.0156, 0.3557, 0.4155

Complementary

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



10.0156, 0.2255, 0.2796



6.7155, 0.4865, 0.3676

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.



10.0156, 0.3927, 0.3998



10.0156, 0.2255, 0.2796



10.0156, 0.3961, 0.3296

Square

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



10.0156, 0.2255, 0.2796



10.0156, 0.3108, 0.2667



10.0156, 0.4083, 0.3676



10.0156, 0.3088, 0.4044

Rectangle

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



10.0156, 0.2255, 0.2796



10.0156, 0.2544, 0.2525



10.0156, 0.4083, 0.3676



10.0156, 0.3697, 0.4128

Sweetspot

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



10.0160, 0.2255, 0.2796



25.8863, 0.2829, 0.3162



12.9604, 0.2891, 0.4901



6.0629, 0.2797, 0.3147



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.0160, 0.2255, 0.2796



16.1031, 0.2131, 0.2663



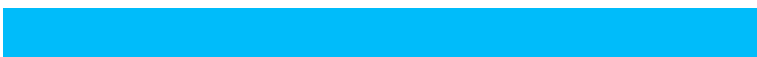
4.7335, 0.2012, 0.1752



4.0095, 0.2995, 0.3236



9.0999, 0.2028, 0.2501



42.9449, 0.2015, 0.2454

Inverse Universe

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



5.8780, 0.3600, 0.2143



8.8338, 0.3744, 0.1997



11.8760, 0.4268, 0.4420



3.7432, 0.3171, 0.3132



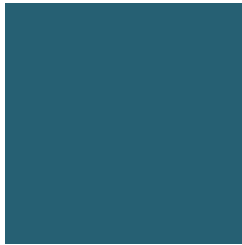
4.9426, 0.3922, 0.1934



23.9447, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 10.0156, 0.2255, 0.2796 looks on a white 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

Black Background



This preview shows how the Yxy color 10.0156, 0.2255, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

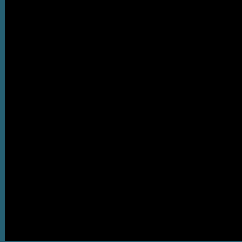
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

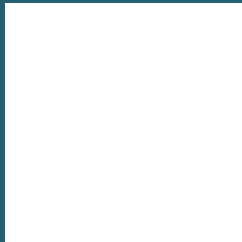
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0156, 0.2255, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 10.0156, 0.2255, 0.2796.

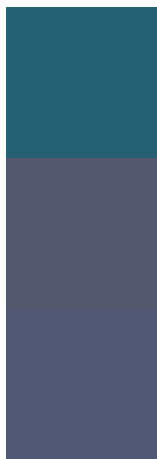


This preview shows how white text looks on a background with the Yxy color 10.0156, 0.2255, 0.2796.

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

10.0156, 0.2255, 0.2796

Protanopia

9.9684, 0.2771, 0.2789

Deuteranopia

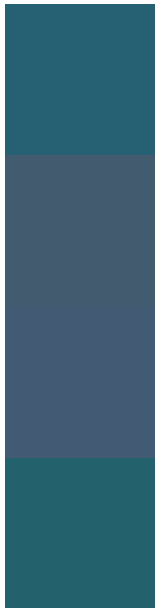
9.8946, 0.2644, 0.2590



Tritanopia

10.0993, 0.2310, 0.3072

Trichromacy



Original Color

10.0156, 0.2255, 0.2796

Protanomaly

9.8232, 0.2535, 0.2790

Deuteranomaly

9.7315, 0.2467, 0.2651

Tritanomaly

10.0108, 0.2291, 0.2968

Monochromacy



Original Color

10.0156, 0.2255, 0.2796

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.5697, 0.2705, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0156, 0.2255, 0.2796 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(38, 96, 115)` looks like.

```
.text, #text, p{  
    color:rgb(38, 96, 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(38, 96, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 96, 115) }
```

Border

The CSS property to change the border of an element to Yxy 10.0156, 0.2255, 0.2796 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(38, 96, 115) }
```

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

```
.border{ border-color:rgb(38, 96, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 96, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 96, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 96, 115);  
box-shadow:4px 4px 4px 4px rgb(38, 96,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0156, 0.2255, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 96, 115) }
```

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

```
.background{ background-color: rgb(38, 96,  
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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