

Converting Colors

$Y_{xy}(10.2268, 0.3193, 0.3569)$

Have a look what the booklet for
Yxy(10.2268, 0.3193, 0.3569)
contains.

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Color

Yxy(10.2268, 0.3193, 0.3569)

Conversions

Conversions Part 1	
Format	Color
Hex	565C51
RGB	86, 92, 81
RGB Percent	34%, 36%, 32%
CMY	0.6628, 0.6392, 0.6823
CMYK	0.07, 0.00, 0.12, 0.64
HSL	93°, 6%, 34%
HSV	93°, 12%, 36%
XYZ	9.1494, 10.2268, 9.2783
YIQ	88.9520, -0.0450, -4.6930

Conversions

Conversions Part 2

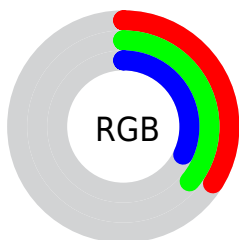
Format	Color
RYB	81, 92, 87
Decimal	5659729
CIELab	38.25, -4.67, 5.52
CIELCh	38, 7.229, 130.242
Yxy	10.2268, 0.3193, 0.3569
Android (android.graphics.Color)	4283849809 (0xFF565C51)
YUV	88.9520, -3.9203, -2.5889
Hunter-Lab	31.9794, -4.8945, 5.1835

Details

The Yxy color **10.2268, 0.3193, 0.3569** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.6870, 0.3055, 0.3013**, and the grayscale version is **9.9876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1919, 0.3182, 0.3494**, and **2.5528, 0.3246, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **9.8677, 0.3247, 0.3823**, and if you desaturate by 10%, it is **10.6224, 0.3138, 0.3334**.

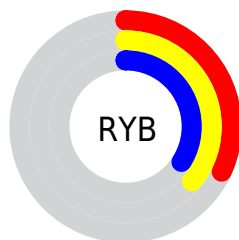
Distribution



Red (34%)

Green (36%)

Blue (32%)



Red (32%)

Yellow (36%)

Blue (34%)

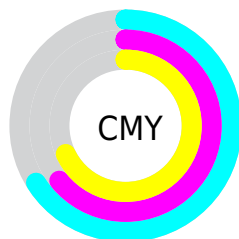


Cyan (7%)

Magenta (0%)

Yellow (12%)

Black (64%)



Cyan (66%)


Magenta (64%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2268, 0.3193, 0.3569 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 10.2268, 0.3193, 0.3569 by changing the saturation by 10% instead.


 10.2268, 0.3193,
0.3569


 10.2268, 0.3193,
0.3569


192.2832, 0.3153,
0.3393


 5.5496, 0.3207,
0.3634


 26.2212, 0.3176,
0.3492


 2.5732, 0.3227,
0.3739


 38.3072, 0.3171,
0.3468

 0.9132, 0.3313,
0.4014

 53.6316, 0.3166,
0.3449

 0.0000, 0.0000,
0.0000


 72.5788, 0.3162,
0.3433

 95.5331, 0.3159,
0.3421


122.8791, 0.3157,


0.3410


155.0010, 0.3155,
0.3401


 10.2268, 0.3193,
0.3569


 10.2268, 0.3193,
0.3569

 9.8677, 0.3247,
0.3823


 10.6224, 0.3138,
0.3334


 9.5426, 0.3298,
0.4093


 11.0541, 0.3083,
0.3118

 9.2509, 0.3342,
0.4374


 11.5234, 0.3030,
0.2923


 8.9912, 0.3378,
0.4657


 12.0313, 0.2979,
0.2747


 8.7623, 0.3401,
0.4931


 12.5787, 0.2931,
0.2589


 8.5628, 0.3409,
0.5185


 13.1664, 0.2885,
0.2448


 8.3911, 0.3399,
0.5405

 13.7953, 0.2843,
0.2322

 8.2450, 0.3373,
0.5583

 14.4663, 0.2803,
0.2209

 8.1397, 0.3351,
0.5721

 15.1801, 0.2766,
0.2108

Harmonies

Analogous

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



10.2268, 0.3346, 0.3580



10.2268, 0.3193, 0.3569



10.2268, 0.3025, 0.3478

Triad

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



10.2268, 0.3193, 0.3569



10.2268, 0.2821, 0.3063



10.2268, 0.3371, 0.3242

Complementary

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



10.2268, 0.3193, 0.3569



8.6870, 0.3055, 0.3013

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.



10.2268, 0.3225, 0.3113



10.2268, 0.3193, 0.3569



10.2268, 0.2908, 0.3009

Square

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



10.2268, 0.3193, 0.3569



10.2268, 0.2813, 0.3180



10.2268, 0.3055, 0.3029



10.2268, 0.3452, 0.3386

Rectangle

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



10.2268, 0.3193, 0.3569



10.2268, 0.2927, 0.3384



10.2268, 0.3055, 0.3029



10.2268, 0.3328, 0.3196

Sweetspot

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



10.2272, 0.3193, 0.3569



18.4335, 0.3150, 0.3383



9.6660, 0.3306, 0.3437



4.6117, 0.3153, 0.3396



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.2272, 0.3193, 0.3569



17.7353, 0.3207, 0.3631



10.0048, 0.3108, 0.3566



2.6304, 0.3176, 0.3493



11.7448, 0.3336, 0.5733



63.7999, 0.3293, 0.5767

Inverse Universe

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



8.6870, 0.3055, 0.3013



14.5287, 0.3038, 0.2952



8.9285, 0.3146, 0.3029



2.3354, 0.3075, 0.3088



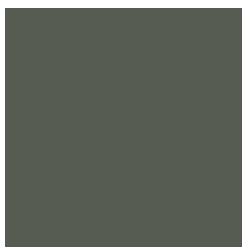
2.0800, 0.2163, 0.0965



10.8569, 0.2104, 0.0933

Previews

White Background



This preview shows how the Yxy color 10.2268, 0.3193, 0.3569 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 10.2268, 0.3193, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

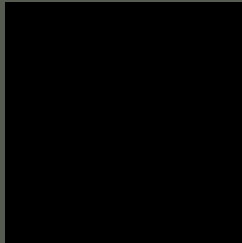
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

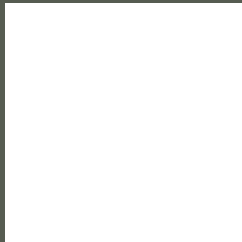
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.2268, 0.3193, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 10.2268, 0.3193, 0.3569.



This preview shows how white text looks on a background with the Yxy color 10.2268, 0.3193, 0.3569.

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

10.2268, 0.3193, 0.3569

Protanopia

10.2712, 0.3346, 0.3536

Deuteranopia

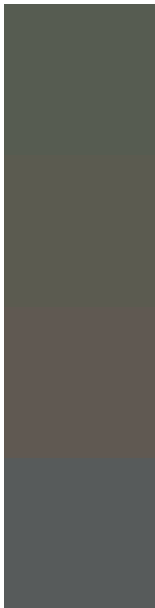
10.2504, 0.3462, 0.3408



Tritanopia

10.2501, 0.2994, 0.3120

Trichromacy



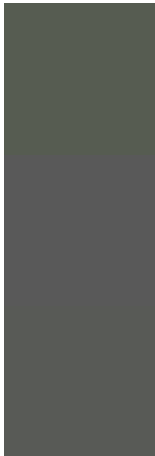
Original Color
10.2268, 0.3193, 0.3569

Protanomaly
10.2855, 0.3293, 0.3564

Deuteranomaly
10.2407, 0.3351, 0.3460

Tritanomaly
10.2637, 0.3064, 0.3290

Monochromacy



Original Color
10.2268, 0.3193, 0.3569

Achromatopsia
9.9899, 0.3127, 0.3290

Achromatomaly
10.0589, 0.3155, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2268, 0.3193, 0.3569 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(86, 92, 81) looks like.

```
.text, #text, p{  
    color:rgb(86, 92, 81)  
}
```

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(86, 92, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 92, 81) }
```

Border

The CSS property to change the border of an element to Yxy 10.2268, 0.3193, 0.3569 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(86, 92, 81) }
```

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

```
.border{ border-color:rgb(86, 92, 81) }
```

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

Here you see how a box with a 4 pixel rgb(86, 92, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 92, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 92, 81);  
box-shadow:4px 4px 4px 4px rgb(86, 92, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2268, 0.3193, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 92, 81) }
```

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

```
.background{ background-color: rgb(86, 92,  
81) }
```

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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