

Converting Colors

$Y_{xy}(10.1641, 0.2044, 0.1663)$

Have a look what the booklet for
Yxy(10.1641, 0.2044, 0.1663)
contains.

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Color

$Y_{xy}(10.2070, 0.2044, 0.1672)$

Conversions

Conversions Part 1

Format	Color
Hex	4353A8
RGB	67, 83, 168
RGB Percent	26%, 33%, 66%
CMY	0.7371, 0.6745, 0.3411
CMYK	0.60, 0.51, 0.00, 0.34
HSL	231°, 43%, 46%
HSV	231°, 60%, 66%
XYZ	12.4779, 10.2070, 38.3617
YIQ	87.9060, -36.8210, 23.0430

Conversions

Conversions Part 2

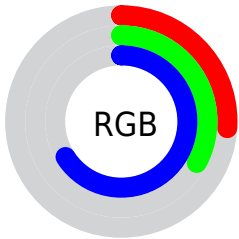
Format	Color
R _{YB}	67, 81, 168
Decimal	4412328
CIE Lab	38.21, 20.45, -47.79
CIE LCh	38, 51.980, 293.167
Yxy	10.2070, 0.2044, 0.1672
Android (android.graphics.Color)	4282602408 (0xFF4353A8)
YUV	87.9060, 39.4863, -18.3346
Hunter-Lab	31.9484, 13.8062, -48.8280

Details

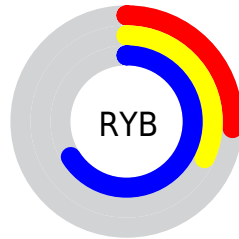
The Yxy color **10.2070, 0.2044, 0.1672** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.2040, 0.4090, 0.4493**, and the grayscale version is **9.6573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1694, 0.2306, 0.2010**, and **2.6888, 0.1658, 0.1167** is the 20% darker color. If you saturate the color by 10%, you get **7.7489, 0.1869, 0.1377**, and if you desaturate by 10%, it is **13.2796, 0.2235, 0.1979**.

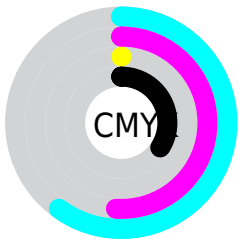
Distribution



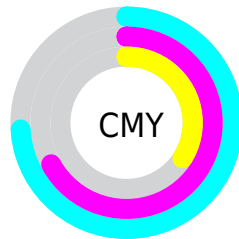
- Red (26%)
- Green (33%)
- Blue (66%)



- Red (26%)
- Yellow (32%)
- Blue (66%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)
- Black (34%)



- Cyan (74%)
- Magenta (67%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2070, 0.2044, 0.1672 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 10.2070, 0.2044, 0.1672 by changing the saturation by 10% instead.

■ 10.2070, 0.2044,
0.1672

■ 10.2070, 0.2044,
0.1672

■ 192.1431, 0.2691,
0.2569

■ 5.5364, 0.1849,
0.1433

■ 26.1841, 0.2305,
0.2014

■ 2.5653, 0.1584,
0.1128

■ 38.2595, 0.2395,
0.2138

■ 0.9093, 0.1216,
0.0748

■ 53.5718, 0.2469,
0.2241

■ 0.0000, 0.0570,
0.0000

■ 72.5056, 0.2529,
0.2328

■ 0.0000, 0.0000,
0.0000

■ 95.4453, 0.2579,
0.2402

122.7752, 0.2622,

0.2465

154.8796, 0.2659,
0.2521

■ 10.2070, 0.2044,
0.1672

■ 10.2070, 0.2044,
0.1672

■ 7.7489, 0.1869,
0.1377

■ 13.2796, 0.2235,
0.1979

■ 5.8620, 0.1722,
0.1114

■ 17.0041, 0.2431,
0.2283

■ 4.4986, 0.1612,
0.0899

■ 21.4158, 0.2623,
0.2571

■ 3.5909, 0.1540,
0.0742

■ 26.5475, 0.2805,
0.2837

■ 32.4294, 0.2973,
0.3076

■ 39.0904, 0.3126,
0.3288

■ 46.5576, 0.3262,
0.3474

■ 54.8569, 0.3384,
0.3636

■ 64.0129, 0.3492,
0.3777

Harmonies

Analogous

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



10.2070, 0.1474, 0.1681



10.2070, 0.2044, 0.1672



10.2070, 0.3026, 0.1947

Triad

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



10.2070, 0.2044, 0.1672



10.2070, 0.5385, 0.3891



10.2070, 0.1924, 0.4280

Complementary

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



10.2070, 0.2044, 0.1672



31.2040, 0.4090, 0.4493

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.



10.2070, 0.2853, 0.5404



10.2070, 0.2044, 0.1672



10.2070, 0.4836, 0.4704

Square

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



10.2070, 0.2044, 0.1672



10.2070, 0.5223, 0.3145



10.2070, 0.3905, 0.5408



10.2070, 0.1387, 0.2899

Rectangle

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



10.2070, 0.2044, 0.1672



10.2070, 0.3854, 0.2273



10.2070, 0.3905, 0.5408



10.2070, 0.2200, 0.4747

Sweetspot

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



10.2073, 0.2044, 0.1672



49.9577, 0.2836, 0.2881



31.4427, 0.2502, 0.3588



10.2756, 0.2787, 0.2810



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



10.2073, 0.2044, 0.1672



12.8481, 0.1818, 0.1288



9.5949, 0.2319, 0.1544



7.4850, 0.2986, 0.3094



2.7627, 0.1543, 0.0754



0.1219, 0.1678, 0.1241

Inverse Universe

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



12.9685, 0.4658, 0.3063



19.1651, 0.5213, 0.3056



33.5108, 0.3615, 0.4865



7.5609, 0.3262, 0.3255



6.3499, 0.6143, 0.3158



0.1600, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 10.2070, 0.2044, 0.1672 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 10.2070, 0.2044, 0.1672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

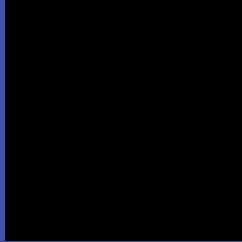
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.2070, 0.2044, 0.1672

Background



This preview shows how black text looks on a background with the Yxy color 10.2070, 0.2044, 0.1672.



This preview shows how white text looks on a background with the Yxy color 10.2070, 0.2044, 0.1672.

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

10.2070, 0.2044, 0.1672

Protanopia

10.2664, 0.1885, 0.1645

Deuteranopia

10.0554, 0.1838, 0.1817



Tritanopia

10.2073, 0.2351, 0.3074

Trichromacy



Original Color

10.2070, 0.2044, 0.1672

Protanomaly

10.2740, 0.1930, 0.1653

Deuteranomaly

9.8540, 0.1858, 0.1732

Tritanomaly

10.0666, 0.2206, 0.2429

Monochromacy



Original Color

10.2070, 0.2044, 0.1672

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6454, 0.2614, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2070, 0.2044, 0.1672 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(67, 83, 168)` looks like.

```
.text, #text, p{  
    color:rgb(67, 83, 168)  
}
```

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(67, 83, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 83, 168) }
```

Border

The CSS property to change the border of an element to Yxy 10.2070, 0.2044, 0.1672 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(67, 83, 168) }
```

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

```
.border{ border-color:rgb(67, 83, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 83, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 83, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 83, 168);  
box-shadow:4px 4px 4px 4px rgb(67, 83,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2070, 0.2044, 0.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 83, 168) }
```

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

```
.background{ background-color: rgb(67, 83,  
168) }
```

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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