

Converting Colors

$Y_{xy}(11.9423, 0.2241, 0.2039)$

Have a look what the booklet for
Yxy(11.9423, 0.2241, 0.2039)
contains.

Yxy(12.0175, 0.2240, 0.2048)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0175, 0.2240, 0.2048)

Conversions

Conversions Part 1

Format	Color
Hex	4D5E9D
RGB	77, 94, 157
RGB Percent	30%, 37%, 62%
CMY	0.6983, 0.6313, 0.3844
CMYK	0.51, 0.40, 0.00, 0.38
HSL	227°, 34%, 46%
HSV	227°, 51%, 62%
XYZ	13.1441, 12.0175, 33.5176
YIQ	96.0990, -30.3550, 15.9890

Conversions

Conversions Part 2

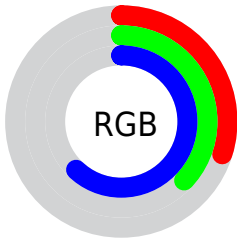
Format	Color
R _Y B	77, 91, 157
Decimal	5070493
CIE Lab	41.24, 11.82, -36.35
CIE LCh	41, 38.220, 288.019
Yxy	12.0175, 0.2240, 0.2048
Android (android.graphics.Color)	4283260573 (0xFF4D5E9D)
YUV	96.0990, 30.0242, -16.7498
Hunter-Lab	34.6663, 7.0145, -33.0590

Details

The Yxy color **12.0175, 0.2240, 0.2048** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.4298, 0.3978, 0.4273**, and the grayscale version is **11.6516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5253, 0.2456, 0.2323**, and **3.2723, 0.1851, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **9.4186, 0.2057, 0.1758**, and if you desaturate by 10%, it is **15.1262, 0.2429, 0.2332**.

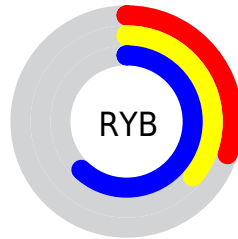
Distribution



Red (30%)

Green (37%)

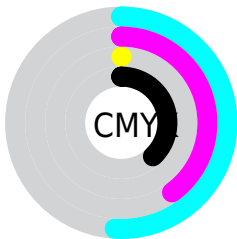
Blue (62%)



Red (30%)

Yellow (36%)

Blue (62%)

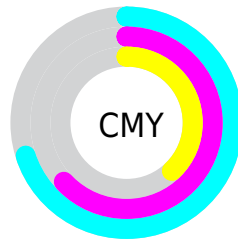


Cyan (51%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (70%)

Magenta (63%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0175, 0.2240, 0.2048 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 12.0175, 0.2240, 0.2048 by changing the saturation by 10% instead.

■ 12.0175, 0.2240,
0.2048

■ 12.0175, 0.2240,
0.2048

■ 204.5211, 0.2767,
0.2754

■ 6.7556, 0.2077,
0.1845

■ 29.5270, 0.2454,
0.2325

■ 3.3097, 0.1850,
0.1573

■ 42.5433, 0.2527,
0.2423

■ 1.2955, 0.1519,
0.1198

■ 58.9133, 0.2586,
0.2503

■ 0.1377, 0.0936,
0.0307

■ 79.0213, 0.2635,
0.2570

■ 0.0000, 0.0000,
0.0000

■ 103.2517, 0.2676,
0.2627

131.9888, 0.2711,

0.2675

165.6172, 0.2741,
0.2717

■ 12.0175, 0.2240,
0.2048

■ 12.0175, 0.2240,
0.2048

■ 9.4186, 0.2057,
0.1758

■ 15.1262, 0.2429,
0.2332

■ 7.3000, 0.1889,
0.1476

■ 18.7695, 0.2615,
0.2601

■ 5.6310, 0.1746,
0.1217

■ 22.9718, 0.2794,
0.2849

■ 4.3765, 0.1637,
0.0996

■ 27.7558, 0.2960,
0.3073

■ 3.5492, 0.1566,
0.0837

■ 33.1428, 0.3113,
0.3272

■ 39.1531, 0.3251,
0.3447

■ 45.8060, 0.3376,
0.3600

■ 53.1200, 0.3487,
0.3734

■ 61.1127, 0.3587,
0.3850

Harmonies

Analogous

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



12.0175, 0.1827, 0.2121



12.0175, 0.2240, 0.2048



12.0175, 0.2935, 0.2227

Triad

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



12.0175, 0.2240, 0.2048



12.0175, 0.4783, 0.3744



12.0175, 0.2392, 0.4120

Complementary

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



12.0175, 0.2240, 0.2048



26.4298, 0.3978, 0.4273

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.



12.0175, 0.3133, 0.4759



12.0175, 0.2240, 0.2048



12.0175, 0.4532, 0.4336

Square

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



12.0175, 0.2240, 0.2048



12.0175, 0.4517, 0.3147



12.0175, 0.3916, 0.4774



12.0175, 0.1890, 0.3207

Rectangle

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



12.0175, 0.2240, 0.2048



12.0175, 0.3505, 0.2466



12.0175, 0.3916, 0.4774



12.0175, 0.2621, 0.4391

Sweetspot

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



12.0179, 0.2240, 0.2048



45.9034, 0.2890, 0.2979



27.5666, 0.2596, 0.3611



9.7346, 0.2858, 0.2936



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.0179, 0.2240, 0.2048



16.3771, 0.2036, 0.1724



10.4209, 0.2424, 0.1811



6.6533, 0.2988, 0.3109



2.9296, 0.1569, 0.0848



0.1062, 0.1751, 0.1502

Inverse Universe

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



13.2744, 0.4219, 0.3015



19.5534, 0.4616, 0.2974



29.7368, 0.3606, 0.4608



6.6682, 0.3252, 0.3242



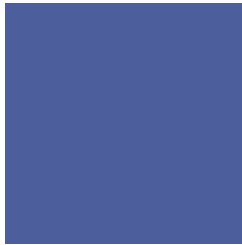
5.9180, 0.5993, 0.3075



0.1112, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 12.0175, 0.2240, 0.2048 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 12.0175, 0.2240, 0.2048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

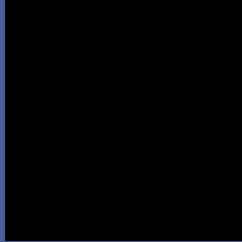
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0175, 0.2240, 0.2048

Background



This preview shows how black text looks on a background with the Yxy color 12.0175, 0.2240, 0.2048.



This preview shows how white text looks on a background with the Yxy color 12.0175, 0.2240, 0.2048.

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

12.0175, 0.2240, 0.2048

Protanopia

12.0308, 0.2194, 0.2041

Deuteranopia

11.9738, 0.2138, 0.2088



Tritanopia

12.0946, 0.2522, 0.3093

Trichromacy



Original Color

12.0175, 0.2240, 0.2048

Protanomaly

12.1089, 0.2211, 0.2046

Deuteranomaly

11.9593, 0.2171, 0.2078

Tritanomaly

11.8661, 0.2405, 0.2650

Monochromacy



Original Color

12.0175, 0.2240, 0.2048

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6163, 0.2742, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0175, 0.2240, 0.2048 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(77, 94, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 94, 157)  
}
```

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(77, 94, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 94, 157) }
```

Border

The CSS property to change the border of an element to Yxy 12.0175, 0.2240, 0.2048 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(77, 94, 157) }
```

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

```
.border{ border-color:rgb(77, 94, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 94, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 94, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 94, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 94,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0175, 0.2240, 0.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 94, 157) }
```

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

```
.background{ background-color: rgb(77, 94,  
157) }
```

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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