Converting Colors

Yxy(20.1449, 0.2515, 0.2357)

Have a look what the booklet for Yxy(20.1449, 0.2515, 0.2357) contains.

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Color

Yxy(20.1449, 0.2515, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	7278B0
RGB	114, 120, 176
RGB Percent	45%, 47%, 69%
CMY	0.5528, 0.5294, 0.3098
CMYK	0.35, 0.32, 0.00, 0.31
HSL	234°, 28%, 57%
HSV	234°, 35%, 69%
XYZ	21.4953, 20.1449, 43.8282
YIQ	124.5900, -21.5520, 16.1440

Conversions

Conversions Part 2

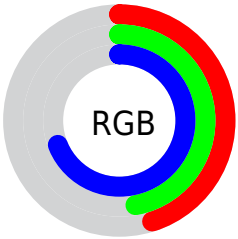
Format	Color
RYB	114, 119, 176
Decimal	7502000
CIELab	52.00, 11.52, -30.43
CIELCh	52, 32.537, 290.742
Yxy	20.1449, 0.2515, 0.2357
Android (android.graphics.Color)	4285692080 (0xFF7278B0)
YUV	124.5900, 25.3451, -9.2874
Hunter-Lab	44.8831, 6.9415, -26.4784

Details

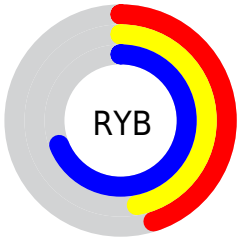
The Yxy color 20.1449, 0.2515, 0.2357 is a dark color, and the websafe version is hex 666699. A complement of this color would be 39.2100, 0.3673, 0.4077, and the grayscale version is 20.2843, 0.3127, 0.3290.

A 20% lighter version of the original color is 43.6561, 0.2651, 0.2546, and 7.1216, 0.2285, 0.2049 is the 20% darker color. If you saturate the color by 10%, you get 15.5629, 0.2313, 0.2038, and if you desaturate by 10%, it is 25.5911, 0.2708, 0.2657.

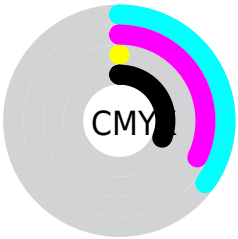
Distribution



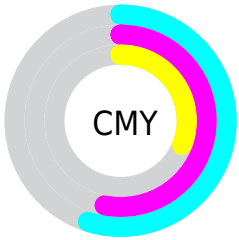
- Red (45%)
- Green (47%)
- Blue (69%)



- Red (45%)
- Yellow (47%)
- Blue (69%)



- Cyan (35%)
- Magenta (32%)
- Yellow (0%)
- Black (31%)



- Cyan (55%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1449, 0.2515, 0.2357 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 20.1449, 0.2515, 0.2357 by changing the saturation by 10% instead.

20.1449, 0.2515, 0.2357

20.1449, 0.2515, 0.2357

252.6985, 0.2859, 0.2861

12.5004, 0.2416, 0.2220

43.6600, 0.2650, 0.2549

7.0854, 0.2280, 0.2039

60.2994, 0.2698, 0.2618

3.5156, 0.2087, 0.1791

80.7059, 0.2737, 0.2676

1.4065, 0.1793, 0.1435

105.2638, 0.2769, 0.2724

0.2215, 0.1270, 0.0572

134.3577, 0.2797, 0.2766

0.0000, 0.0000, 0.0000

168.3718, 0.2821,

0.2802

207.6906, 0.2841, 0.2833

20.1449, 0.2515, 0.2357

20.1449, 0.2515, 0.2357

15.5629, 0.2313, 0.2038

25.5911, 0.2708, 0.2657

11.7985, 0.2111, 0.1712

31.9406, 0.2887, 0.2931

8.8040, 0.1921, 0.1396

39.2325, 0.3050, 0.3175

6.5257, 0.1756, 0.1113

47.5034, 0.3194, 0.3389

4.9031, 0.1629, 0.0884

56.7875, 0.3322, 0.3576

3.8650, 0.1547, 0.0722

3.5330, 0.1519, 0.0668

67.1177, 0.3434, 0.3738

78.5251, 0.3532, 0.3878

91.0398, 0.3617, 0.3998

95.9145, 0.3597, 0.4066

Harmonies

Analogous

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

20.1449, 0.2169, 0.2409

20.1449, 0.2515, 0.2357

20.1449, 0.3053, 0.2509

Triad

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

20.1449, 0.2515, 0.2357

20.1449, 0.4328, 0.3715

20.1449, 0.2561, 0.3816

Complementary

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

20.1449, 0.2515, 0.2357

39.2100, 0.3673, 0.4077

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.

20.1449, 0.3107, 0.4281

20.1449, 0.2515, 0.2357

20.1449, 0.4143, 0.4134

Square

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

20.1449, 0.2515, 0.2357

20.1449, 0.4155, 0.3250

20.1449, 0.3688, 0.4377

20.1449, 0.2188, 0.3198

Rectangle

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

20.1449, 0.2515, 0.2357

20.1449, 0.3466, 0.2704

20.1449, 0.3688, 0.4377

20.1449, 0.2729, 0.4003

Sweetspot

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

20.1457, 0.2515, 0.2357

63.0304, 0.2955, 0.3032

37.5244, 0.2680, 0.3385

13.2911, 0.2933, 0.2999

89.0005, 0.3127, 0.3290

17.0645, 0.3127, 0.3290

Same Dimension

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

20.1457, 0.2515, 0.2357

30.1393, 0.2363, 0.2118

20.6507, 0.2753, 0.2323

8.3573, 0.2985, 0.3078

2.6335, 0.1522, 0.0677

0.1256, 0.1603, 0.0970

Inverse Universe

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

22.6284, 0.3867, 0.3203

35.5100, 0.4107, 0.3185

38.8652, 0.3409, 0.4224

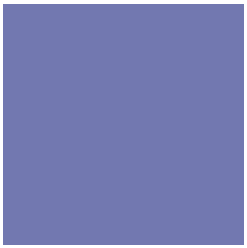
8.5181, 0.3272, 0.3268

6.8060, 0.6270, 0.3228

0.2185, 0.5804, 0.2971

Previews

White Background

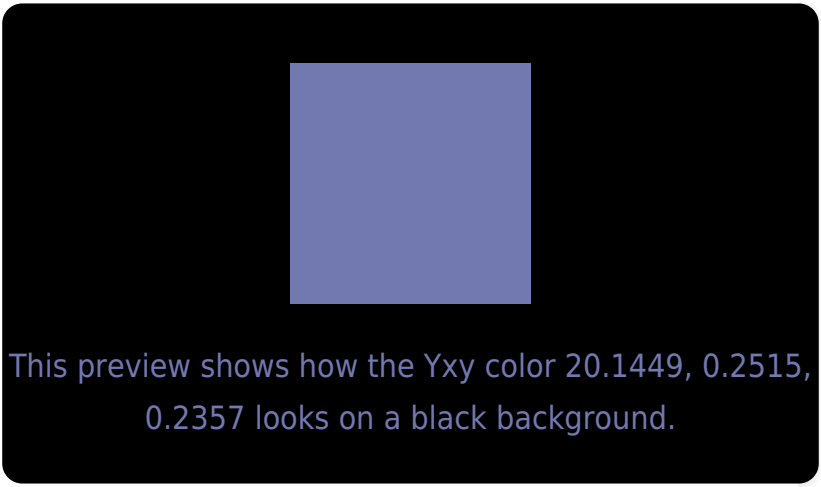


This preview shows how the Yxy color 20.1449, 0.2515, 0.2357 looks on a white background.

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

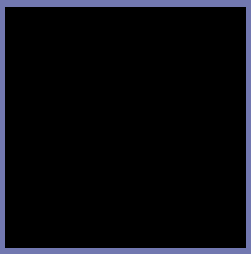


Color Contrast Check

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 20.1449, 0.2515, 0.2357 Background



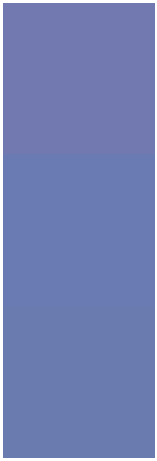
This preview shows how black text looks on a background with the Yxy color 20.1449, 0.2515, 0.2357.

This preview shows how white text looks on a background with the Yxy color 20.1449, 0.2515, 0.2357.

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



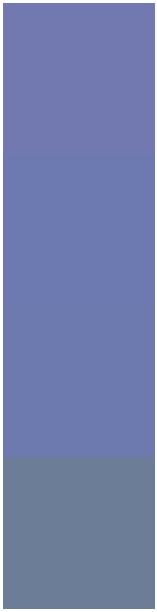
Original Color
20.1449, 0.2515, 0.2357

Protanopia
20.1976, 0.2433, 0.2347

Deuteranopia
20.2643, 0.2449, 0.2404

Tritanopia
20.2766, 0.2772, 0.3100

Trichromacy



Original Color
20.1449, 0.2515, 0.2357

Protanomaly
20.1003, 0.2464, 0.2350

Deuteranomaly
20.2024, 0.2473, 0.2392

Tritanomaly
20.1224, 0.2669, 0.2799

Monochromacy

Original Color
20.1449, 0.2515, 0.2357

Achromatopsia
20.5079, 0.3127, 0.3290

Achromatomaly
20.2445, 0.2879, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1449, 0.2515, 0.2357 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(114, 120, 176) looks like.

```
.text, #text, p{
    color:rgb(114, 120, 176)
}
```

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(114, 120, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 120, 176) }
```

Border

The CSS property to change the border of an element to Yxy 20.1449, 0.2515, 0.2357 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(114, 120, 176) }
```

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

```
.border{ border-color:rgb(114, 120, 176) }
```

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

Here you see how a box with a 4 pixel rgb(114, 120, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 120, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 120, 176); box-shadow:4px 4px 4px 4px rgb(114, 120, 176) }
```

Background

The CSS property to change the background color of an element to Yxy 20.1449, 0.2515, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(114, 120, 176) }
```

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

```
.background{ background-color:rgb(114,
120, 176) }
```

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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