

Converting Colors

$Yxy(20.3707, 0.2235, 0.2437)$

Have a look what the booklet for
Yxy(20.3707, 0.2235, 0.2437)
contains.

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Color

Yxy(20.3707, 0.2235, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	4B81B1
RGB	75, 129, 177
RGB Percent	29%, 51%, 69%
CMY	0.7062, 0.4941, 0.3059
CMYK	0.58, 0.27, 0.00, 0.31
HSL	208°, 41%, 49%
HSV	208°, 58%, 69%
XYZ	18.6822, 20.3707, 44.5364
YIQ	118.3260, -47.5920, 3.4800

Conversions

Conversions Part 2

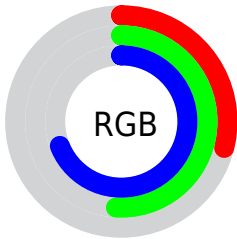
Format	Color
R_{YB}	75, 110, 177
Decimal	4948401
CIE _{Lab}	52.25, -3.48, -30.78
CIE _{LCh}	52, 30.979, 263.545
Yxy	20.3707, 0.2235, 0.2437
Android (android.graphics.Color)	4283138481 (0xFF4B81B1)
YUV	118.3260, 28.9263, -37.9969
Hunter-Lab	45.1339, -5.0982, -26.9113

Details

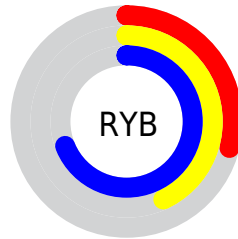
The Yxy color **20.3707, 0.2235, 0.2437** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.9937, 0.4386, 0.3976**, and the grayscale version is **18.1381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1644, 0.2422, 0.2622**, and **7.1926, 0.1924, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **17.6516, 0.2101, 0.2257**, and if you desaturate by 10%, it is **23.4682, 0.2382, 0.2612**.

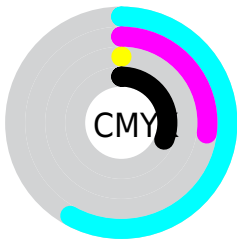
Distribution



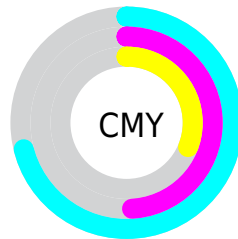
- Red (29%)
- Green (51%)
- Blue (69%)



- Red (29%)
- Yellow (43%)
- Blue (69%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (71%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3707, 0.2235, 0.2437 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 20.3707, 0.2235, 0.2437 by changing the saturation by 10% instead.

■ 20.3707, 0.2235,
0.2437

■ 20.3707, 0.2235,
0.2437

■ 253.9149, 0.2724,
0.2910

■ 12.6648, 0.2100,
0.2304

■ 44.0378, 0.2422,
0.2620

■ 7.1981, 0.1921,
0.2126

■ 60.7678, 0.2490,
0.2685

■ 3.5863, 0.1674,
0.1877

■ 81.2747, 0.2546,
0.2739

■ 1.4450, 0.1319,
0.1514

■ 105.9427, 0.2593,
0.2784

■ 0.2495, 0.0413,
0.0677

■ 135.1563, 0.2633,
0.2823

■ 0.0000, 0.0000,
0.0000

169.3000, 0.2667,

0.2856

208.7581, 0.2697,
0.2885

■ 20.3707, 0.2235,
0.2437

■ 20.3707, 0.2235,
0.2437

■ 17.6516, 0.2101,
0.2257

■ 23.4682, 0.2382,
0.2612

■ 15.2874, 0.1985,
0.2075

■ 26.9609, 0.2537,
0.2777

■ 13.2549, 0.1890,
0.1896

■ 30.8672, 0.2696,
0.2931

■ 11.5188, 0.1817,
0.1723

■ 35.2031, 0.2855,
0.3073

■ 11.1435, 0.1801,
0.1684

■ 39.9841, 0.3011,
0.3201

■ 45.2244, 0.3162,
0.3316

■ 50.9378, 0.3306,
0.3418

■ 57.1373, 0.3442,
0.3509

■ 63.8353, 0.3570,
0.3588

Harmonies

Analogous

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



20.3707, 0.2105, 0.2688



20.3707, 0.2235, 0.2437



20.3707, 0.2586, 0.2405

Triad

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



20.3707, 0.2235, 0.2437



20.3707, 0.4131, 0.3297



20.3707, 0.3059, 0.4197

Complementary

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



20.3707, 0.2235, 0.2437



23.9937, 0.4386, 0.3976

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.



20.3707, 0.3615, 0.4327



20.3707, 0.2235, 0.2437



20.3707, 0.4265, 0.3740

Square

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



20.3707, 0.2235, 0.2437



20.3707, 0.3693, 0.2882



20.3707, 0.4064, 0.4127



20.3707, 0.2548, 0.3735

Rectangle

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



20.3707, 0.2235, 0.2437



20.3707, 0.2923, 0.2493



20.3707, 0.4064, 0.4127



20.3707, 0.3247, 0.4282

Sweetspot

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



20.3714, 0.2235, 0.2437



63.3637, 0.2861, 0.3078



34.3519, 0.2751, 0.4264



13.3902, 0.2830, 0.3051



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.



20.3714, 0.2235, 0.2437



30.4954, 0.2070, 0.2211



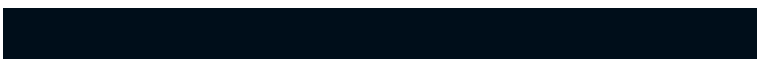
10.1622, 0.2040, 0.1526



8.9508, 0.2985, 0.3180



8.1974, 0.1806, 0.1702



0.3735, 0.1941, 0.2187

Inverse Universe

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



15.9533, 0.3898, 0.2528



23.6342, 0.4159, 0.2418



39.9657, 0.3962, 0.4596



8.5780, 0.3207, 0.3170



7.3677, 0.4804, 0.2420



0.2435, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 20.3707, 0.2235, 0.2437 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



This preview shows how the Yxy color 20.3707, 0.2235, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

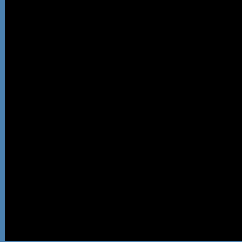
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3707, 0.2235, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 20.3707, 0.2235, 0.2437.

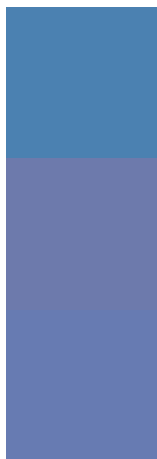


This preview shows how white text looks on a background with the Yxy color 20.3707, 0.2235, 0.2437.

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

20.3707, 0.2235, 0.2437

Protanopia

20.1488, 0.2505, 0.2437

Deuteranopia

20.2638, 0.2411, 0.2359



Tritanopia

20.4274, 0.2379, 0.3069

Trichromacy



Original Color

20.3707, 0.2235, 0.2437

Protanomaly

20.2646, 0.2396, 0.2439

Deuteranomaly

20.2087, 0.2337, 0.2376

Tritanomaly

20.4027, 0.2327, 0.2828

Monochromacy



Original Color

20.3707, 0.2235, 0.2437

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6079, 0.2722, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3707, 0.2235, 0.2437 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(75, 129, 177)` looks like.

```
.text, #text, p{  
    color:rgb(75, 129, 177)  
}
```

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(75, 129, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 177) }
```

Border

The CSS property to change the border of an element to Yxy 20.3707, 0.2235, 0.2437 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(75, 129, 177) }
```

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

```
.border{ border-color:rgb(75, 129, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 129, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 177);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3707, 0.2235, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 177) }
```

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

```
.background{ background-color: rgb(75, 129,  
177) }
```

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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