

Converting Colors

$Y_{xy}(20.7525, 0.2198, 0.2438)$

Have a look what the booklet for
Yxy(20.7525, 0.2198, 0.2438)
contains.

Yxy(20.7525, 0.2198, 0.2438)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7525, 0.2198, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	4583B3
RGB	69, 131, 179
RGB Percent	27%, 51%, 70%
CMY	0.7291, 0.4863, 0.2981
CMYK	0.61, 0.27, 0.00, 0.30
HSL	206°, 44%, 49%
HSV	206°, 61%, 70%
XYZ	18.7096, 20.7525, 45.6589
YIQ	117.9340, -52.3600, 1.7840

Conversions

Conversions Part 2

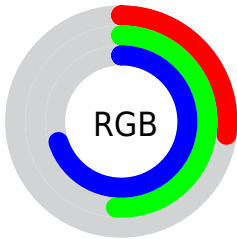
Format	Color
R _Y B	69, 109, 179
Decimal	4555699
CIE Lab	52.68, -5.17, -31.29
CIE LCh	53, 31.713, 260.622
Yxy	20.7525, 0.2198, 0.2438
Android (android.graphics.Color)	4282745779 (0xFF4583B3)
YUV	117.9340, 30.1055, -42.9151
Hunter-Lab	45.5549, -6.4104, -27.5369

Details

The Yxy color **20.7525, 0.2198, 0.2438** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.7502, 0.4532, 0.3960**, and the grayscale version is **18.0171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7148, 0.2389, 0.2622**, and **7.5409, 0.1929, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **18.1730, 0.2075, 0.2270**, and if you desaturate by 10%, it is **23.6893, 0.2336, 0.2602**.

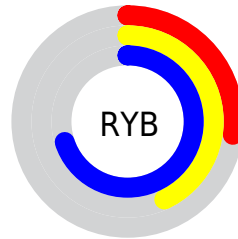
Distribution



Red (27%)

Green (51%)

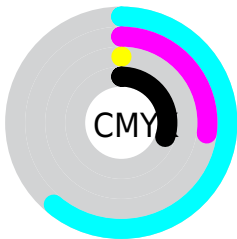
Blue (70%)



Red (27%)

Yellow (43%)

Blue (70%)

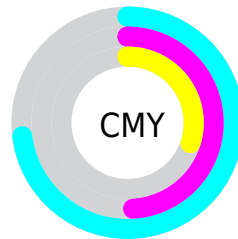


Cyan (61%)

Magenta (27%)

Yellow (0%)

Black (30%)



Cyan (73%)

Magenta (49%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7525, 0.2198, 0.2438 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 20.7525, 0.2198, 0.2438 by changing the saturation by 10% instead.

■ 20.7525, 0.2198,
0.2438

■ 20.7525, 0.2198,
0.2438

■ 255.9602, 0.2704,
0.2910

■ 12.9432, 0.2060,
0.2306

■ 44.6753, 0.2391,
0.2621

■ 7.3895, 0.1877,
0.2128

■ 61.5575, 0.2461,
0.2686

■ 3.7068, 0.1626,
0.1880

■ 82.2329, 0.2519,
0.2740

■ 1.5110, 0.1272,
0.1521

■ 107.0858, 0.2568,
0.2785

■ 0.2964, 0.0395,
0.0753

■ 136.5005, 0.2609,
0.2824

■ 0.0000, 0.0000,
0.0000

170.8616, 0.2645,

0.2857

210.5534, 0.2677,
0.2885

■ 20.7525, 0.2198,
0.2438

■ 20.7525, 0.2198,
0.2438

■ 18.1730, 0.2075,
0.2270

■ 23.6893, 0.2336,
0.2602

■ 15.9268, 0.1972,
0.2101

■ 27.0005, 0.2485,
0.2758

■ 13.9892, 0.1889,
0.1936

■ 30.7048, 0.2639,
0.2905

■ 12.5293, 0.1833,
0.1798

■ 34.8184, 0.2797,
0.3040

■ 39.3565, 0.2953,
0.3164

■ 44.3336, 0.3106,
0.3275

■ 49.7632, 0.3253,
0.3375

■ 55.6583, 0.3394,
0.3463

■ 62.0311, 0.3527,
0.3541

Harmonies

Analogous

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



20.7525, 0.2089, 0.2714



20.7525, 0.2198, 0.2438



20.7525, 0.2534, 0.2385

Triad

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



20.7525, 0.2198, 0.2438



20.7525, 0.4117, 0.3252



20.7525, 0.3113, 0.4244

Complementary

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



20.7525, 0.2198, 0.2438



22.7502, 0.4532, 0.3960

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.



20.7525, 0.3674, 0.4338



20.7525, 0.2198, 0.2438



20.7525, 0.4287, 0.3703

Square

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



20.7525, 0.2198, 0.2438



20.7525, 0.3647, 0.2839



20.7525, 0.4112, 0.4107



20.7525, 0.2583, 0.3799

Rectangle

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



20.7525, 0.2198, 0.2438



20.7525, 0.2865, 0.2463



20.7525, 0.4112, 0.4107



20.7525, 0.3304, 0.4318

Sweetspot

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



20.7532, 0.2198, 0.2438



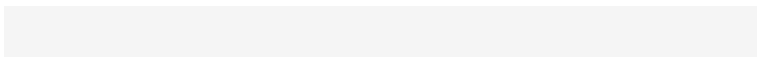
64.8106, 0.2846, 0.3080



34.7794, 0.2761, 0.4411



13.8555, 0.2800, 0.3043



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.7532, 0.2198, 0.2438



30.9388, 0.2033, 0.2205



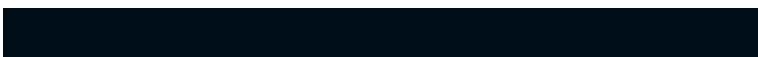
9.7465, 0.1978, 0.1460



8.9979, 0.2985, 0.3188



8.9868, 0.1838, 0.1817



0.3964, 0.1964, 0.2270

Inverse Universe

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



15.4859, 0.3911, 0.2440



22.8677, 0.4183, 0.2332



39.3873, 0.4033, 0.4624



8.5828, 0.3202, 0.3162



7.4473, 0.4666, 0.2344



0.2458, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 20.7525, 0.2198, 0.2438 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 20.7525, 0.2198, 0.2438 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

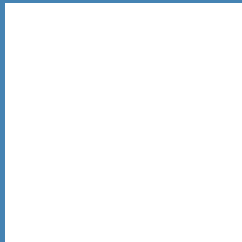
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7525, 0.2198, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 20.7525, 0.2198, 0.2438.

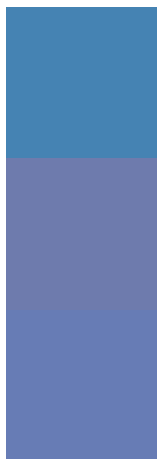


This preview shows how white text looks on a background with the Yxy color 20.7525, 0.2198, 0.2438.

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

20.7525, 0.2198, 0.2438

Protanopia

20.4980, 0.2509, 0.2442

Deuteranopia

20.6351, 0.2393, 0.2335



Tritanopia

20.8137, 0.2331, 0.3069

Trichromacy



Original Color

20.7525, 0.2198, 0.2438

Protanomaly

20.4498, 0.2376, 0.2440

Deuteranomaly

20.6982, 0.2316, 0.2380

Tritanomaly

20.7610, 0.2278, 0.2828

Monochromacy



Original Color

20.7525, 0.2198, 0.2438

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7687, 0.2694, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7525, 0.2198, 0.2438 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(69, 131, 179)` looks like.

```
.text, #text, p{  
    color:rgb(69, 131, 179)  
}
```

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(69, 131, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 131, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.7525, 0.2198, 0.2438 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(69, 131, 179) }
```

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

```
.border{ border-color:rgb(69, 131, 179) }
```

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

Here you see how a box with a 4 pixel rgb(69, 131, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 131, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 131, 179);  
box-shadow:4px 4px 4px 4px rgb(69, 131,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7525, 0.2198, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 131, 179) }
```

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

```
.background{ background-color: rgb(69, 131,  
179) }
```

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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