

Converting Colors

$Y_{xy}(20.4265, 0.2522, 0.2630)$

Have a look what the booklet for
Yxy(20.4265, 0.2522, 0.2630)
contains.

Yxy(20.3908, 0.2523, 0.2631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3908, 0.2523, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	667EA3
RGB	102, 126, 163
RGB Percent	40%, 49%, 64%
CMY	0.5999, 0.5059, 0.3608
CMYK	0.37, 0.23, 0.00, 0.36
HSL	216°, 25%, 52%
HSV	216°, 37%, 64%
XYZ	19.5538, 20.3908, 37.5575
YIQ	123.0420, -26.1810, 6.4190

Conversions

Conversions Part 2

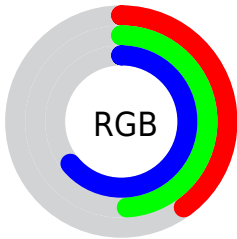
Format	Color
R_{YB}	102, 119, 163
Decimal	6717091
CIE Lab	52.28, 0.87, -22.55
CIE LCh	52, 22.562, 272.217
Yxy	20.3908, 0.2523, 0.2631
Android (android.graphics.Color)	4284907171 (0xFF667EA3)
YUV	123.0420, 19.6993, -18.4538
Hunter-Lab	45.1562, -1.7282, -17.7036

Details

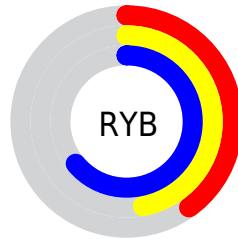
The Yxy color **20.3908, 0.2523, 0.2631** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.2236, 0.3799, 0.3868**, and the grayscale version is **19.7642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2707, 0.2656, 0.2781**, and **7.1593, 0.2288, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **17.1244, 0.2353, 0.2416**, and if you desaturate by 10%, it is **24.0964, 0.2693, 0.2831**.

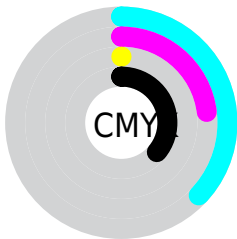
Distribution



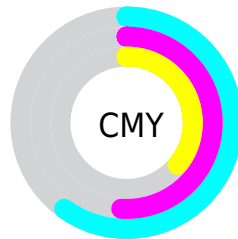
- Red (40%)
- Green (49%)
- Blue (64%)



- Red (40%)
- Yellow (47%)
- Blue (64%)



- Cyan (37%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3908, 0.2523, 0.2631 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 20.3908, 0.2523, 0.2631 by changing the saturation by 10% instead.

■ 20.3908, 0.2523,
0.2631

■ 20.3908, 0.2523,
0.2631

■ 254.0230, 0.2860,
0.2998

■ 12.6794, 0.2426,
0.2526

■ 44.0714, 0.2655,
0.2774

■ 7.2082, 0.2293,
0.2382

■ 60.8095, 0.2701,
0.2825

■ 3.5926, 0.2101,
0.2176

■ 81.3252, 0.2740,
0.2866

■ 1.4484, 0.1806,
0.1860

■ 106.0030, 0.2772,
0.2901

■ 0.2520, 0.0980,
0.0946

■ 135.2273, 0.2799,
0.2931

■ 0.0000, 0.0000,
0.0000

169.3825, 0.2822,

0.2956

208.8529, 0.2843,
0.2978

■ 20.3908, 0.2523,
0.2631

■ 20.3908, 0.2523,
0.2631

■ 17.1244, 0.2353,
0.2416

■ 24.0964, 0.2693,
0.2831

■ 14.2764, 0.2189,
0.2189

■ 28.2558, 0.2858,
0.3014

■ 11.8281, 0.2036,
0.1958

■ 32.8859, 0.3016,
0.3179

■ 9.7575, 0.1900,
0.1728

■ 38.0018, 0.3165,
0.3327

■ 8.0406, 0.1789,
0.1509

■ 43.6182, 0.3304,
0.3457

■ 6.6426, 0.1704,
0.1308

■ 49.7488, 0.3432,
0.3571

■ 6.3189, 0.1683,
0.1259

■ 56.4070, 0.3551,
0.3672

■ 63.6054, 0.3659,
0.3760

■ 71.3565, 0.3758,
0.3837

Harmonies

Analogous

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



20.3908, 0.2371, 0.2782



20.3908, 0.2523, 0.2631



20.3908, 0.2835, 0.2645

Triad

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



20.3908, 0.2523, 0.2631



20.3908, 0.3909, 0.3406



20.3908, 0.2970, 0.3858

Complementary

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



20.3908, 0.2523, 0.2631



27.2236, 0.3799, 0.3868

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.



20.3908, 0.3383, 0.4034



20.3908, 0.2523, 0.2631



20.3908, 0.3941, 0.3732

Square

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



20.3908, 0.2523, 0.2631



20.3908, 0.3648, 0.3076



20.3908, 0.3742, 0.3972



20.3908, 0.2615, 0.3495

Rectangle

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



20.3908, 0.2523, 0.2631



20.3908, 0.3104, 0.2737



20.3908, 0.3742, 0.3972



20.3908, 0.3106, 0.3942

Sweetspot

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



20.3916, 0.2523, 0.2631



55.6427, 0.2957, 0.3119



30.8755, 0.2793, 0.3715



12.2574, 0.2937, 0.3098



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.3916, 0.2523, 0.2631



31.5357, 0.2380, 0.2451



15.3493, 0.2524, 0.2205



7.2954, 0.2987, 0.3150



4.9941, 0.1688, 0.1276



0.1955, 0.1891, 0.2008

Inverse Universe

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



18.8019, 0.3660, 0.2913



28.8578, 0.3838, 0.2828



34.3148, 0.3612, 0.4218



7.1299, 0.3226, 0.3202



6.3483, 0.5360, 0.2726



0.1425, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 20.3908, 0.2523, 0.2631 looks on a white background.

Color Contrast Check

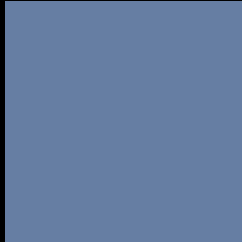
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3908, 0.2523, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

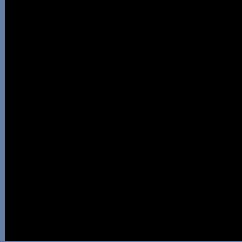
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

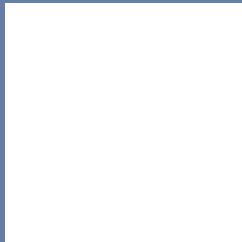
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3908, 0.2523, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 20.3908, 0.2523, 0.2631.

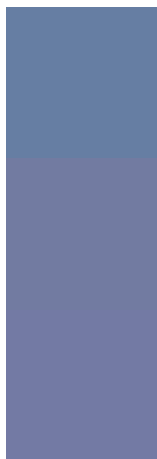


This preview shows how white text looks on a background with the Yxy color 20.3908, 0.2523, 0.2631.

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

20.3908, 0.2523, 0.2631

Protanopia

20.3165, 0.2645, 0.2627

Deuteranopia

20.2442, 0.2627, 0.2565



Tritanopia

20.3455, 0.2670, 0.3097

Trichromacy



Original Color

20.3908, 0.2523, 0.2631

Protanomaly

20.3389, 0.2600, 0.2623

Deuteranomaly

20.1613, 0.2581, 0.2574

Tritanomaly

20.4353, 0.2617, 0.2933

Monochromacy



Original Color

20.3908, 0.2523, 0.2631

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8951, 0.2874, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3908, 0.2523, 0.2631 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(102, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 163)  
}
```

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(102, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 163) }
```

Border

The CSS property to change the border of an element to Yxy 20.3908, 0.2523, 0.2631 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(102, 126, 163) }
```

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

```
.border{ border-color:rgb(102, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3908, 0.2523, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 163) }
```

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

```
.background{ background-color: rgb(102,  
126, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor