

Converting Colors

$Y_{xy}(23.2197, 0.2528, 0.2675)$

Have a look what the booklet for
Yxy(23.2197, 0.2528, 0.2675)
contains.

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Color

Yxy(23.1163, 0.2525, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	6B86AB
RGB	107, 134, 171
RGB Percent	42%, 53%, 67%
CMY	0.5803, 0.4745, 0.3293
CMYK	0.37, 0.22, 0.00, 0.33
HSL	215°, 28%, 55%
HSV	215°, 37%, 67%
XYZ	21.9431, 23.1163, 41.8440
YIQ	130.1450, -27.9690, 5.7830

Conversions

Conversions Part 2

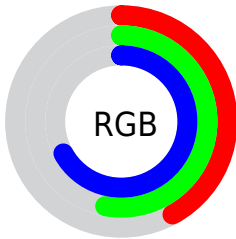
Format	Color
R_{YB}	107, 126, 171
Decimal	7046827
CIE Lab	55.19, -0.13, -22.66
CIE LCh	55, 22.663, 269.667
Yxy	23.1163, 0.2525, 0.2660
Android (android.graphics.Color)	4285236907 (0xFF6B86AB)
YUV	130.1450, 20.1415, -20.2982
Hunter-Lab	48.0794, -2.6728, -17.9451

Details

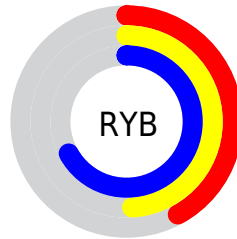
The Yxy color **23.1163, 0.2525, 0.2660** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.6862, 0.3812, 0.3844**, and the grayscale version is **22.3144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5052, 0.2653, 0.2797**, and **8.6697, 0.2308, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **19.5510, 0.2358, 0.2454**, and if you desaturate by 10%, it is **27.1490, 0.2693, 0.2851**.

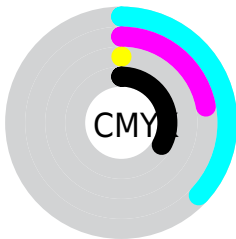
Distribution



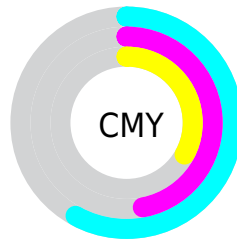
- Red (42%)
- Green (53%)
- Blue (67%)



- Red (42%)
- Yellow (49%)
- Blue (67%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)



- Cyan (58%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1163, 0.2525, 0.2660 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 23.1163, 0.2525, 0.2660 by changing the saturation by 10% instead.

■ 23.1163, 0.2525,
0.2660

■ 23.1163, 0.2525,
0.2660

■ 268.3218, 0.2855,
0.3005

■ 14.6794, 0.2433,
0.2563

■ 48.5842, 0.2652,
0.2793

■ 8.5947, 0.2308,
0.2433

■ 66.3840, 0.2698,
0.2841

■ 4.4778, 0.2132,
0.2248

■ 88.0736, 0.2735,
0.2880

■ 1.9443, 0.1867,
0.1971

■ 114.0374, 0.2767,
0.2913

■ 0.5748, 0.1378,
0.1458

■ 144.6596, 0.2794,
0.2941

■ 0.0000, 0.0000,
0.0000

180.3249, 0.2817,

0.2966

221.4175, 0.2837,
0.2987

■ 23.1163, 0.2525,
0.2660

■ 23.1163, 0.2525,
0.2660

■ 19.5510, 0.2358,
0.2454

■ 27.1490, 0.2693,
0.2851

■ 16.4311, 0.2197,
0.2238

■ 31.6647, 0.2857,
0.3026

■ 13.7364, 0.2047,
0.2016

■ 36.6811, 0.3015,
0.3184

■ 11.4438, 0.1916,
0.1795

■ 42.2146, 0.3165,
0.3325

■ 9.5272, 0.1807,
0.1582

■ 48.2803, 0.3305,
0.3450

■ 7.9503, 0.1724,
0.1385

■ 54.8931, 0.3435,
0.3559

■ 7.5842, 0.1705,
0.1336

■ 62.0670, 0.3556,
0.3656

■ 69.8155, 0.3667,
0.3740

■ 77.0060, 0.3723,
0.3823

Harmonies

Analogous

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



23.1163, 0.2392, 0.2821



23.1163, 0.2525, 0.2660



23.1163, 0.2815, 0.2660

Triad

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



23.1163, 0.2525, 0.2660



23.1163, 0.3867, 0.3376



23.1163, 0.3010, 0.3858

Complementary

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



23.1163, 0.2525, 0.2660



29.6862, 0.3812, 0.3844

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.



23.1163, 0.3408, 0.4009



23.1163, 0.2525, 0.2660



23.1163, 0.3918, 0.3693

Square

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



23.1163, 0.2525, 0.2660



23.1163, 0.3600, 0.3059



23.1163, 0.3744, 0.3934



23.1163, 0.2658, 0.3521

Rectangle

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



23.1163, 0.2525, 0.2660



23.1163, 0.3071, 0.2741



23.1163, 0.3744, 0.3934



23.1163, 0.3142, 0.3934

Sweetspot

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



23.1172, 0.2525, 0.2660



62.1766, 0.2956, 0.3126



34.2537, 0.2808, 0.3755



13.6020, 0.2936, 0.3106



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.1172, 0.2525, 0.2660



35.9860, 0.2385, 0.2489



16.8611, 0.2499, 0.2194



8.2911, 0.2986, 0.3155



5.8156, 0.1710, 0.1354



0.2716, 0.1881, 0.1972

Inverse Universe

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



20.9028, 0.3638, 0.2885



32.1127, 0.3807, 0.2794



38.3851, 0.3635, 0.4215



8.0693, 0.3223, 0.3195



6.8901, 0.5252, 0.2667



0.2028, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 23.1163, 0.2525, 0.2660 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 23.1163, 0.2525, 0.2660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

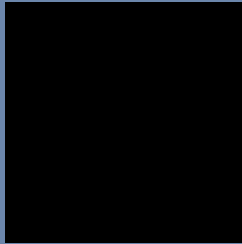
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

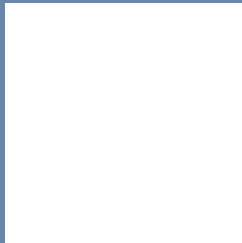
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1163, 0.2525, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 23.1163, 0.2525, 0.2660.

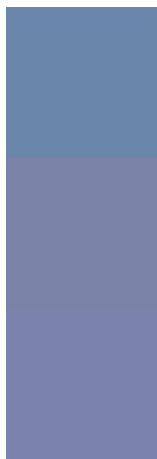


This preview shows how white text looks on a background with the Yxy color 23.1163, 0.2525, 0.2660.

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

23.1163, 0.2525, 0.2660

Protanopia

22.9300, 0.2675, 0.2658

Deuteranopia

23.1548, 0.2651, 0.2601



Tritanopia

23.1717, 0.2665, 0.3089

Trichromacy



Original Color

23.1163, 0.2525, 0.2660

Protanomaly

22.8791, 0.2622, 0.2653

Deuteranomaly

22.9931, 0.2598, 0.2608

Tritanomaly

23.2687, 0.2615, 0.2934

Monochromacy



Original Color

23.1163, 0.2525, 0.2660

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4145, 0.2885, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1163, 0.2525, 0.2660 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(107, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(107, 134, 171)  
}
```

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(107, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 134, 171) }
```

Border

The CSS property to change the border of an element to Yxy 23.1163, 0.2525, 0.2660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

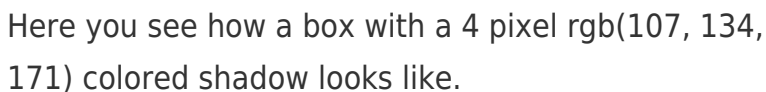
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 134, 171) }
```

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

```
.border{ border-color:rgb(107, 134, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 134, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 134, 171); box-shadow:4px 4px 4px 4px rgb(107, 134, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1163, 0.2525, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 134, 171) }
```

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

```
.background{ background-color: rgb(107,  
134, 171) }
```

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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