

Converting Colors

$Y_{xy}(22.5560, 0.2362, 0.2570)$

Have a look what the booklet for
Yxy(22.5560, 0.2362, 0.2570)
contains.

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Color

Yxy(22.6362, 0.2362, 0.2581)

Conversions

Conversions Part 1

Format	Color
Hex	5A87B0
RGB	90, 135, 176
RGB Percent	35%, 53%, 69%
CMY	0.6471, 0.4706, 0.3098
CMYK	0.49, 0.23, 0.00, 0.31
HSL	209°, 35%, 52%
HSV	209°, 49%, 69%
XYZ	20.7155, 22.6362, 44.3515
YIQ	126.2190, -39.9810, 3.2110

Conversions

Conversions Part 2

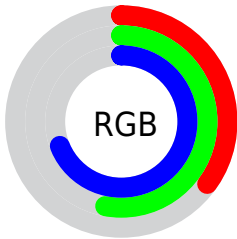
Format	Color
R_{YB}	90, 120, 176
Decimal	5932976
CIE _{Lab}	54.70, -3.82, -26.37
CIE _{LCh}	55, 26.643, 261.751
Yxy	22.6362, 0.2362, 0.2581
Android (android.graphics.Color)	4284123056 (0xFF5A87B0)
YUV	126.2190, 24.5420, -31.7641
Hunter-Lab	47.5775, -5.5408, -21.9656

Details

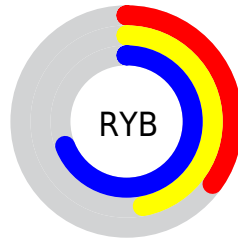
The Yxy color $22.6362, 0.2362, 0.2581$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $26.1952, 0.4139, 0.3891$, and the grayscale version is $20.8669, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7219, 0.2517, 0.2727$, and $8.4257, 0.2103, 0.2343$ is the 20% darker color. If you saturate the color by 10%, you get $19.6073, 0.2216, 0.2403$, and if you desaturate by 10%, it is $26.0602, 0.2517, 0.2750$.

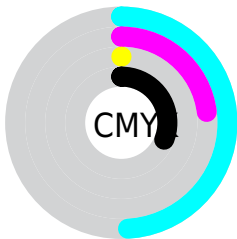
Distribution



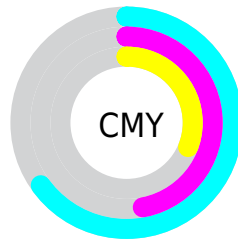
- Red (35%)
- Green (53%)
- Blue (69%)



- Red (35%)
- Yellow (47%)
- Blue (69%)



- Cyan (49%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (65%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6362, 0.2362, 0.2581 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 22.6362, 0.2362, 0.2581 by changing the saturation by 10% instead.

■ 22.6362, 0.2362,
0.2581

■ 22.6362, 0.2362,
0.2581

265.8509, 0.2778,
0.2972

■ 14.3251, 0.2248,
0.2472

■ 47.7953, 0.2521,
0.2732

■ 8.3471, 0.2095,
0.2324

■ 65.4120, 0.2578,
0.2786

■ 4.3179, 0.1883,
0.2116

■ 86.8995, 0.2626,
0.2830

■ 1.8529, 0.1573,
0.1808

■ 112.6420, 0.2666,
0.2868

■ 0.5198, 0.0961,
0.1246

143.0241, 0.2700,
0.2900

■ 0.0000, 0.0000,
0.0000

178.4299, 0.2730,

0.2927

219.2441, 0.2755,
0.2951

■ 22.6362, 0.2362,
0.2581

■ 22.6362, 0.2362,
0.2581

■ 19.6073, 0.2216,
0.2403

■ 26.0602, 0.2517,
0.2750

■ 16.9517, 0.2083,
0.2220

■ 29.8943, 0.2676,
0.2908

■ 14.6490, 0.1968,
0.2035

■ 34.1557, 0.2836,
0.3053

■ 12.6746, 0.1875,
0.1855

■ 38.8598, 0.2993,
0.3185

■ 10.9875, 0.1803,
0.1682

■ 44.0209, 0.3144,
0.3303

■ 10.8095, 0.1795,
0.1662

■ 49.6529, 0.3288,
0.3408

■ 55.7687, 0.3425,
0.3501

■ 62.3809, 0.3554,
0.3583

■ 69.5015, 0.3673,
0.3655

Harmonies

Analogous

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



22.6362, 0.2262, 0.2812



22.6362, 0.2362, 0.2581



22.6362, 0.2653, 0.2537

Triad

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



22.6362, 0.2362, 0.2581



22.6362, 0.3943, 0.3283



22.6362, 0.3106, 0.4046

Complementary

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



22.6362, 0.2362, 0.2581



26.1952, 0.4139, 0.3891

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.



22.6362, 0.3569, 0.4146



22.6362, 0.2362, 0.2581



22.6362, 0.4075, 0.3660

Square

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



22.6362, 0.2362, 0.2581



22.6362, 0.3571, 0.2929



22.6362, 0.3930, 0.3983



22.6362, 0.2669, 0.3685

Rectangle

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



22.6362, 0.2362, 0.2581



22.6362, 0.2934, 0.2605



22.6362, 0.3930, 0.3983



22.6362, 0.3264, 0.4111

Sweetspot

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



22.6370, 0.2362, 0.2581



64.9326, 0.2893, 0.3102



34.8388, 0.2789, 0.4087



13.7008, 0.2860, 0.3074



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.



22.6370, 0.2362, 0.2581



34.9679, 0.2199, 0.2382



13.1103, 0.2221, 0.1825



8.9416, 0.2985, 0.3179



8.0490, 0.1800, 0.1680



0.3692, 0.1936, 0.2171

Inverse Universe

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



18.2894, 0.3742, 0.2639



27.4781, 0.3957, 0.2513



39.9064, 0.3850, 0.4426



8.5771, 0.3208, 0.3171



7.3527, 0.4831, 0.2435



0.2430, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 22.6362, 0.2362, 0.2581 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 22.6362, 0.2362, 0.2581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

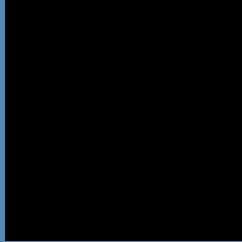
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

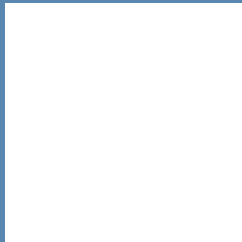
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6362, 0.2362, 0.2581

Background



This preview shows how black text looks on a background with the Yxy color 22.6362, 0.2362, 0.2581.

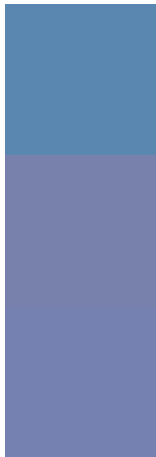


This preview shows how white text looks on a background with the Yxy color 22.6362, 0.2362, 0.2581.

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

22.6362, 0.2362, 0.2581

Protanopia

22.5627, 0.2620, 0.2592

Deuteranopia

22.5878, 0.2545, 0.2501



Tritanopia

22.7844, 0.2495, 0.3082

Trichromacy



Original Color

22.6362, 0.2362, 0.2581

Protanomaly

22.4379, 0.2511, 0.2579

Deuteranomaly

22.5327, 0.2473, 0.2520

Tritanomaly

22.6463, 0.2445, 0.2887

Monochromacy



Original Color

22.6362, 0.2362, 0.2581

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2248, 0.2799, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6362, 0.2362, 0.2581 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(90, 135, 176)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 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(90, 135, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.6362, 0.2362, 0.2581 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(90, 135, 176) }
```

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

```
.border{ border-color:rgb(90, 135, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 176);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6362, 0.2362, 0.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 176) }
```

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

```
.background{ background-color: rgb(90, 135,  
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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