

Converting Colors

$Y_{xy}(23.1601, 0.2248, 0.2481)$

Have a look what the booklet for
Yxy(23.1601, 0.2248, 0.2481)
contains.

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Color

Yxy(23.0564, 0.2245, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	4F89B9
RGB	79, 137, 185
RGB Percent	31%, 54%, 73%
CMY	0.6899, 0.4628, 0.2745
CMYK	0.57, 0.26, 0.00, 0.27
HSL	207°, 43%, 52%
HSV	207°, 57%, 73%
XYZ	20.9307, 23.0564, 49.2454
YIQ	125.1300, -49.9760, 2.6320

Conversions

Conversions Part 2

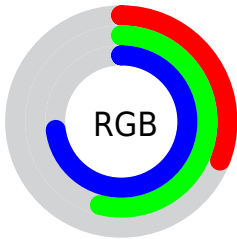
Format	Color
R_{YB}	79, 116, 185
Decimal	5212601
CIE _{Lab}	55.13, -4.66, -30.88
CIE _{LCh}	55, 31.231, 261.422
Yxy	23.0564, 0.2245, 0.2473
Android (android.graphics.Color)	4283402681 (0xFF4F89B9)
YUV	125.1300, 29.5159, -40.4560
Hunter-Lab	48.0171, -6.2215, -27.1948

Details

The Yxy color **23.0564, 0.2245, 0.2473** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.0770, 0.4396, 0.3950**, and the grayscale version is **20.4709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4120, 0.2428, 0.2644**, and **8.5081, 0.1945, 0.2170** is the 20% darker color. If you saturate the color by 10%, you get **20.0790, 0.2113, 0.2299**, and if you desaturate by 10%, it is **26.4415, 0.2390, 0.2641**.

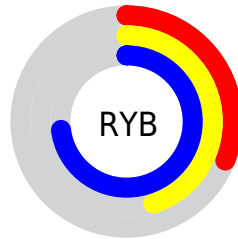
Distribution



Red (31%)

Green (54%)

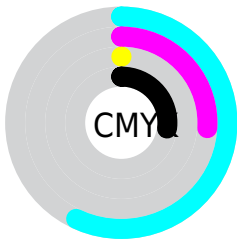
Blue (73%)



Red (31%)

Yellow (45%)

Blue (73%)

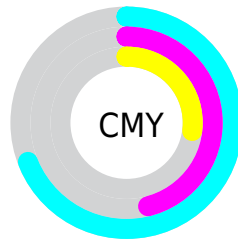


Cyan (57%)

Magenta (26%)

Yellow (0%)

Black (27%)



Cyan (69%)

Magenta (46%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0564, 0.2245, 0.2473 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 23.0564, 0.2245, 0.2473 by changing the saturation by 10% instead.

■ 23.0564, 0.2245,
0.2473

■ 23.0564, 0.2245,
0.2473

■ 268.0145, 0.2719,
0.2919

■ 14.6352, 0.2118,
0.2350

■ 48.4859, 0.2425,
0.2644

■ 8.5637, 0.1950,
0.2187

■ 66.2630, 0.2490,
0.2705

■ 4.4577, 0.1721,
0.1961

■ 87.9275, 0.2544,
0.2757

■ 1.9328, 0.1399,
0.1636

■ 113.8637, 0.2590,
0.2800

■ 0.5680, 0.0828,
0.1104

■ 144.4561, 0.2630,
0.2836

■ 0.0000, 0.0000,
0.0000

180.0892, 0.2664,

0.2868

221.1472, 0.2693,
0.2895

■ 23.0564, 0.2245,
0.2473

■ 23.0564, 0.2245,
0.2473

■ 20.0790, 0.2113,
0.2299

■ 26.4415, 0.2390,
0.2641

■ 17.4837, 0.1999,
0.2123

■ 30.2525, 0.2544,
0.2800

■ 15.2452, 0.1905,
0.1949

■ 34.5092, 0.2702,
0.2949

■ 13.3274, 0.1834,
0.1782

■ 39.2292, 0.2861,
0.3085

■ 12.8418, 0.1816,
0.1737

■ 44.4291, 0.3017,
0.3208

■ 50.1243, 0.3168,
0.3319

■ 56.3299, 0.3312,
0.3418

■ 63.0597, 0.3449,
0.3505

■ 70.3274, 0.3578,
0.3581

Harmonies

Analogous

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



23.0564, 0.2134, 0.2734



23.0564, 0.2245, 0.2473



23.0564, 0.2573, 0.2426

Triad

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



23.0564, 0.2245, 0.2473



23.0564, 0.4077, 0.3268



23.0564, 0.3102, 0.4186

Complementary

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



23.0564, 0.2245, 0.2473



26.0770, 0.4396, 0.3950

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.



23.0564, 0.3638, 0.4289



23.0564, 0.2245, 0.2473



23.0564, 0.4230, 0.3700

Square

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



23.0564, 0.2245, 0.2473



23.0564, 0.3637, 0.2869



23.0564, 0.4058, 0.4081



23.0564, 0.2598, 0.3758

Rectangle

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



23.0564, 0.2245, 0.2473



23.0564, 0.2893, 0.2503



23.0564, 0.4058, 0.4081



23.0564, 0.3284, 0.4260

Sweetspot

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



23.0572, 0.2245, 0.2473



70.2453, 0.2861, 0.3085



37.8882, 0.2763, 0.4291



14.7673, 0.2829, 0.3059



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



23.0572, 0.2245, 0.2473



34.5611, 0.2078, 0.2249



11.5649, 0.2050, 0.1561



9.5114, 0.2985, 0.3184



8.8914, 0.1822, 0.1758



0.4354, 0.1942, 0.2191

Inverse Universe

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



17.7216, 0.3865, 0.2507



26.1189, 0.4122, 0.2389



43.4024, 0.3971, 0.4574



9.0922, 0.3205, 0.3166



7.6799, 0.4736, 0.2383



0.2830, 0.4242, 0.2110

Previews

White Background



This preview shows how the Yxy color 23.0564, 0.2245, 0.2473 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 23.0564, 0.2245, 0.2473 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

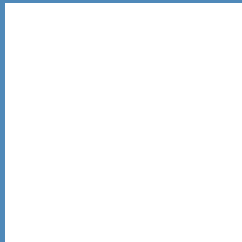
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.0564, 0.2245, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 23.0564, 0.2245, 0.2473.

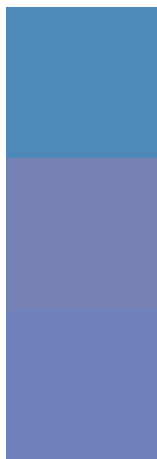


This preview shows how white text looks on a background with the Yxy color 23.0564, 0.2245, 0.2473.

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

23.0564, 0.2245, 0.2473

Protanopia

23.0018, 0.2541, 0.2492

Deuteranopia

22.9326, 0.2432, 0.2373



Tritanopia

23.1713, 0.2388, 0.3080

Trichromacy



Original Color

23.0564, 0.2245, 0.2473

Protanomaly

22.9948, 0.2419, 0.2491

Deuteranomaly

22.9729, 0.2356, 0.2416

Tritanomaly

23.1060, 0.2333, 0.2850

Monochromacy



Original Color

23.0564, 0.2245, 0.2473

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9952, 0.2721, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0564, 0.2245, 0.2473 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(79, 137, 185)` looks like.

```
.text, #text, p{  
    color:rgb(79, 137, 185)  
}
```

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(79, 137, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 137, 185) }
```

Border

The CSS property to change the border of an element to Yxy 23.0564, 0.2245, 0.2473 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(79, 137, 185) }
```

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

```
.border{ border-color:rgb(79, 137, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 137, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 137, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 137, 185);  
box-shadow:4px 4px 4px 4px rgb(79, 137,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0564, 0.2245, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 137, 185) }
```

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

```
.background{ background-color: rgb(79, 137,  
185) }
```

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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