

Converting Colors

$Y_{xy}(13.8514, 0.2242, 0.2519)$

Have a look what the booklet for
Yxy(13.8514, 0.2242, 0.2519)
contains.

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Color

Yxy(13.8812, 0.2240, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	3A6D91
RGB	58, 109, 145
RGB Percent	23%, 43%, 57%
CMY	0.7725, 0.5725, 0.4314
CMYK	0.60, 0.25, 0.00, 0.43
HSL	205°, 43%, 40%
HSV	205°, 60%, 57%
XYZ	12.3242, 13.8812, 28.8133
YIQ	97.8550, -41.9520, 0.3840

Conversions

Conversions Part 2

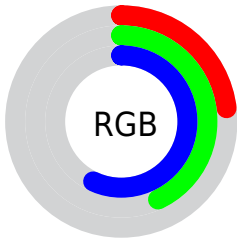
Format	Color
R_{YB}	58, 90, 145
Decimal	3829137
CIE _{Lab}	44.06, -5.82, -24.85
CIE _{LCh}	44, 25.519, 256.824
Yxy	13.8812, 0.2240, 0.2523
Android (android.graphics.Color)	4282019217 (0xFF3A6D91)
YUV	97.8550, 23.2425, -34.9528
Hunter-Lab	37.2575, -6.1557, -19.7720

Details

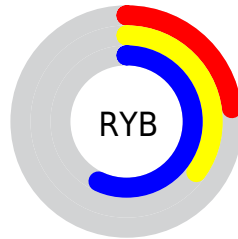
The Yxy color **13.8812, 0.2240, 0.2523** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.3302, 0.4483, 0.3907**, and the grayscale version is **12.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7758, 0.2448, 0.2703**, and **4.2534, 0.1948, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **12.2699, 0.2119, 0.2368**, and if you desaturate by 10%, it is **15.7033, 0.2375, 0.2674**.

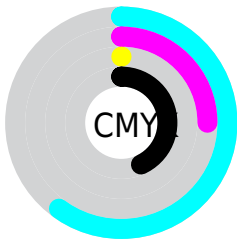
Distribution



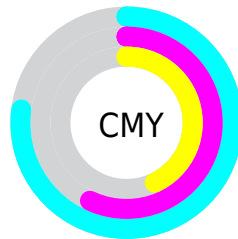
- Red (23%)
- Green (43%)
- Blue (57%)



- Red (23%)
- Yellow (35%)
- Blue (57%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (43%)



- Cyan (77%)
- Magenta (57%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8812, 0.2240, 0.2523 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 13.8812, 0.2240, 0.2523 by changing the saturation by 10% instead.

■ 13.8812, 0.2240,
0.2523

■ 13.8812, 0.2240,
0.2523

■ 216.4905, 0.2754,
0.2977

■ 8.0381, 0.2084,
0.2380

■ 32.8781, 0.2446,
0.2708

■ 4.1193, 0.1866,
0.2176

■ 46.8006, 0.2518,
0.2772

■ 1.7405, 0.1547,
0.1868

■ 64.1851, 0.2576,
0.2823

■ 0.4497, 0.0794,
0.1252

■ 85.4160, 0.2624,
0.2865

■ 0.0000, 0.0000,
0.0000

■ 110.8775, 0.2664,
0.2900

140.9542, 0.2699,

0.2930

176.0304, 0.2728,
0.2955

■ 13.8812, 0.2240,
0.2523

■ 13.8812, 0.2240,
0.2523

■ 12.2699, 0.2119,
0.2368

■ 15.7033, 0.2375,
0.2674

■ 10.8555, 0.2014,
0.2211

■ 17.7457, 0.2521,
0.2817

■ 9.6245, 0.1931,
0.2055

■ 20.0190, 0.2672,
0.2951

■ 8.5419, 0.1862,
0.1903

■ 22.5325, 0.2825,
0.3075

■ 8.5406, 0.1862,
0.1903

■ 25.2949, 0.2978,
0.3188

■ 28.3145, 0.3127,
0.3290

■ 31.5990, 0.3272,
0.3382

■ 35.1559, 0.3410,
0.3463

■ 38.9922, 0.3542,
0.3535

Harmonies

Analogous

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



13.8812, 0.2166, 0.2810



13.8812, 0.2240, 0.2523



13.8812, 0.2529, 0.2445

Triad

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



13.8812, 0.2240, 0.2523



13.8812, 0.3995, 0.3207



13.8812, 0.3185, 0.4192

Complementary

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



13.8812, 0.2240, 0.2523



14.3302, 0.4483, 0.3907

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.



13.8812, 0.3697, 0.4242



13.8812, 0.2240, 0.2523



13.8812, 0.4193, 0.3627

Square

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



13.8812, 0.2240, 0.2523



13.8812, 0.3541, 0.2830



13.8812, 0.4074, 0.4010



13.8812, 0.2683, 0.3820

Rectangle

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



13.8812, 0.2240, 0.2523



13.8812, 0.2824, 0.2501



13.8812, 0.4074, 0.4010



13.8812, 0.3362, 0.4246

Sweetspot

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



13.8817, 0.2240, 0.2523



41.1257, 0.2850, 0.3094



21.9344, 0.2790, 0.4423



8.8717, 0.2809, 0.3063



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.8817, 0.2240, 0.2523



21.0476, 0.2080, 0.2313



6.9242, 0.2037, 0.1595



5.7472, 0.2990, 0.3197



7.3786, 0.1864, 0.1912



0.1141, 0.2051, 0.2584

Inverse Universe

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



10.1506, 0.3826, 0.2435



14.9910, 0.4066, 0.2311



24.0151, 0.4030, 0.4547



5.4738, 0.3196, 0.3162



5.7312, 0.4554, 0.2282



0.0592, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 13.8812, 0.2240, 0.2523 looks on a white 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

Black Background



This preview shows how the Yxy color 13.8812, 0.2240, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

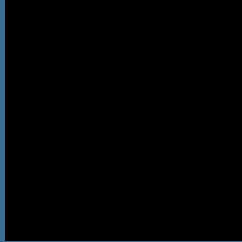
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

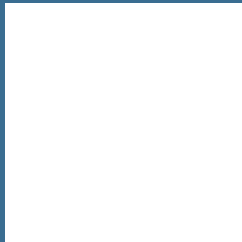
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8812, 0.2240, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 13.8812, 0.2240, 0.2523.

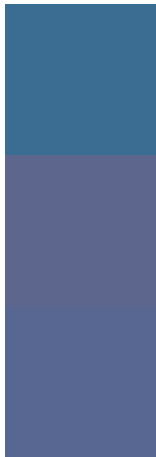


This preview shows how white text looks on a background with the Yxy color 13.8812, 0.2240, 0.2523.

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

13.8812, 0.2240, 0.2523

Protanopia

13.7233, 0.2571, 0.2521

Deuteranopia

13.8505, 0.2465, 0.2428



Tritanopia

13.8438, 0.2364, 0.3076

Trichromacy



Original Color

13.8812, 0.2240, 0.2523

Protanomaly

13.7616, 0.2427, 0.2523

Deuteranomaly

13.7563, 0.2366, 0.2448

Tritanomaly

13.9301, 0.2323, 0.2879

Monochromacy



Original Color

13.8812, 0.2240, 0.2523

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5795, 0.2715, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8812, 0.2240, 0.2523 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(58, 109, 145)` looks like.

```
.text, #text, p{  
    color:rgb(58, 109, 145)  
}
```

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(58, 109, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 109, 145) }
```

Border

The CSS property to change the border of an element to Yxy 13.8812, 0.2240, 0.2523 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(58, 109, 145) }
```

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

```
.border{ border-color:rgb(58, 109, 145) }
```

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

Here you see how a box with a 4 pixel rgb(58, 109, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 109, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 109, 145);  
box-shadow:4px 4px 4px 4px rgb(58, 109,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8812, 0.2240, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 109, 145) }
```

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

```
.background{ background-color: rgb(58, 109,  
145) }
```

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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