

Converting Colors

$Yxy(24.5534, 0.2259, 0.2693)$

Have a look what the booklet for
Yxy(24.5534, 0.2259, 0.2693)
contains.

Yxy(24.4630, 0.2263, 0.2695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4630, 0.2263, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	4690B2
RGB	70, 144, 178
RGB Percent	27%, 56%, 70%
CMY	0.7251, 0.4353, 0.3019
CMYK	0.61, 0.19, 0.00, 0.30
HSL	199°, 43%, 49%
HSV	199°, 61%, 70%
XYZ	20.5417, 24.4630, 45.7671
YIQ	125.7500, -55.0180, -5.1140

Conversions

Conversions Part 2

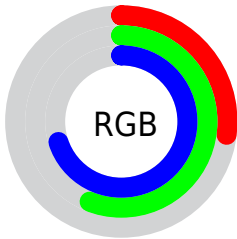
Format	Color
R_{YB}	70, 114, 178
Decimal	4624562
CIE _{Lab}	56.55, -12.65, -24.73
CIE _{LCh}	57, 27.782, 242.908
Yxy	24.4630, 0.2263, 0.2695
Android (android.graphics.Color)	4282814642 (0xFF4690B2)
YUV	125.7500, 25.7592, -48.8927
Hunter-Lab	49.4601, -12.4209, -20.2410

Details

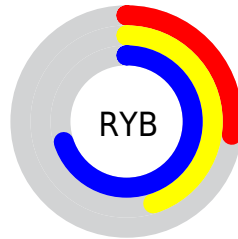
The Yxy color **24.4630, 0.2263, 0.2695** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.8386, 0.4643, 0.3770**, and the grayscale version is **20.7090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9179, 0.2439, 0.2825**, and **9.4861, 0.2027, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **22.2377, 0.2157, 0.2577**, and if you desaturate by 10%, it is **26.9710, 0.2385, 0.2810**.

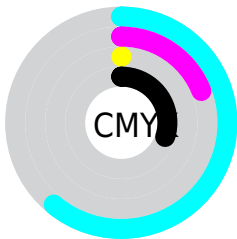
Distribution



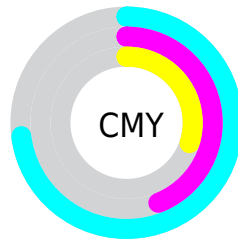
- Red (27%)
- Green (56%)
- Blue (70%)



- Red (27%)
- Yellow (45%)
- Blue (70%)



- Cyan (61%)
- Magenta (19%)
- Yellow (0%)
- Black (30%)



- Cyan (73%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4630, 0.2263, 0.2695 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 24.4630, 0.2263, 0.2695 by changing the saturation by 10% instead.

■ 24.4630, 0.2263,
0.2695

■ 24.4630, 0.2263,
0.2695

■ 275.1530, 0.2724,
0.3027

■ 15.6774, 0.2140,
0.2600

■ 50.7847, 0.2437,
0.2824

■ 9.2962, 0.1977,
0.2472

■ 69.0896, 0.2501,
0.2870

■ 4.9349, 0.1755,
0.2288

■ 91.3364, 0.2553,
0.2908

■ 2.2091, 0.1440,
0.2011

■ 117.9096, 0.2598,
0.2940

■ 0.7249, 0.0825,
0.1573

■ 149.1934, 0.2637,
0.2967

■ 0.0000, 0.0000,
0.0000

185.5723, 0.2670,

0.2990

227.4307, 0.2699,
0.3010

■ 24.4630, 0.2263,
0.2695

■ 24.4630, 0.2263,
0.2695

■ 22.2377, 0.2157,
0.2577

■ 26.9710, 0.2385,
0.2810

■ 20.2732, 0.2069,
0.2458

■ 29.7758, 0.2520,
0.2919

■ 18.5481, 0.2002,
0.2339

■ 32.8938, 0.2664,
0.3022

■ 17.1046, 0.1953,
0.2229

■ 36.3389, 0.2814,
0.3118

■ 40.1242, 0.2966,
0.3206

■ 44.2620, 0.3118,
0.3285

■ 48.7639, 0.3267,
0.3357

■ 53.6407, 0.3413,
0.3421

■ 58.9029, 0.3552,
0.3477

Harmonies

Analogous

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



24.4630, 0.2293, 0.3043



24.4630, 0.2263, 0.2695



24.4630, 0.2439, 0.2532

Triad

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



24.4630, 0.2263, 0.2695



24.4630, 0.3741, 0.3050



24.4630, 0.3406, 0.4157

Complementary

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



24.4630, 0.2263, 0.2695



19.8386, 0.4643, 0.3770

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.



24.4630, 0.3826, 0.4080



24.4630, 0.2263, 0.2695



24.4630, 0.4039, 0.3425

Square

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



24.4630, 0.2263, 0.2695



24.4630, 0.3274, 0.2741



24.4630, 0.4066, 0.3798



24.4630, 0.2931, 0.3948

Rectangle

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



24.4630, 0.2263, 0.2695



24.4630, 0.2661, 0.2528



24.4630, 0.4066, 0.3798



24.4630, 0.3559, 0.4161

Sweetspot

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



24.4639, 0.2263, 0.2695



67.4119, 0.2849, 0.3139



34.1225, 0.2853, 0.4663



14.5127, 0.2805, 0.3113



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.4639, 0.2263, 0.2695



38.9670, 0.2123, 0.2534



12.1216, 0.2047, 0.1727



9.1705, 0.2986, 0.3217



12.3526, 0.1956, 0.2243



0.4876, 0.2047, 0.2569

Inverse Universe

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



15.8739, 0.3679, 0.2282



23.9207, 0.3857, 0.2138



33.8337, 0.4139, 0.4455



8.6002, 0.3184, 0.3135



7.7871, 0.4187, 0.2080



0.2550, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 24.4630, 0.2263, 0.2695 looks on a white background.

Color Contrast Check

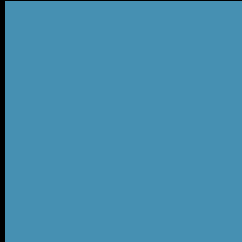
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4630, 0.2263, 0.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

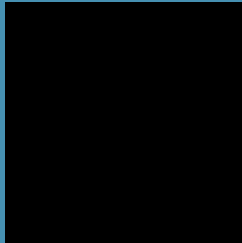
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4630, 0.2263, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 24.4630, 0.2263, 0.2695.

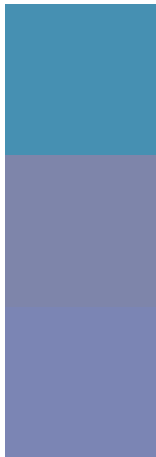


This preview shows how white text looks on a background with the Yxy color 24.4630, 0.2263, 0.2695.

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

24.4630, 0.2263, 0.2695

Protanopia

24.1130, 0.2701, 0.2686

Deuteranopia

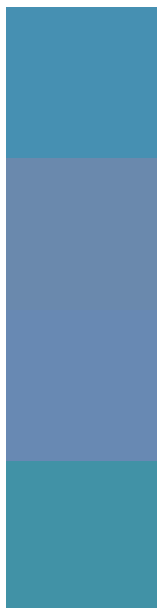
24.2813, 0.2593, 0.2539



Tritanopia

24.3948, 0.2347, 0.3065

Trichromacy



Original Color

24.4630, 0.2263, 0.2695

Protanomaly

23.9726, 0.2510, 0.2682

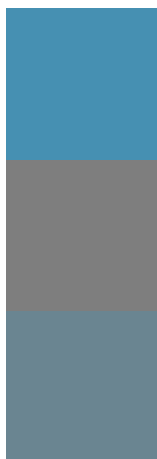
Deuteranomaly

24.0891, 0.2451, 0.2591

Tritanomaly

24.4348, 0.2315, 0.2925

Monochromacy



Original Color

24.4630, 0.2263, 0.2695

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8836, 0.2726, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4630, 0.2263, 0.2695 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(70, 144, 178)` looks like.

```
.text, #text, p{  
  color:rgb(70, 144, 178)  
}
```

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(70, 144, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 144, 178) }
```

Border

The CSS property to change the border of an element to Yxy 24.4630, 0.2263, 0.2695 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(70, 144, 178) }
```

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

```
.border{ border-color:rgb(70, 144, 178) }
```

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

Here you see how a box with a 4 pixel rgb(70, 144, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 144, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 144, 178);  
box-shadow:4px 4px 4px 4px rgb(70, 144,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4630, 0.2263, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 144, 178) }
```

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

```
.background{ background-color: rgb(70, 144,  
178) }
```

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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