

Converting Colors

$Y_{xy}(23.4933, 0.2670, 0.3194)$

Have a look what the booklet for
Yxy(23.4933, 0.2670, 0.3194)
contains.

Yxy(23.4531, 0.2676, 0.3197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.4531, 0.2676, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	638C91
RGB	99, 140, 145
RGB Percent	39%, 55%, 57%
CMY	0.6119, 0.4509, 0.4314
CMYK	0.32, 0.03, 0.00, 0.43
HSL	186°, 19%, 48%
HSV	186°, 32%, 57%
XYZ	19.6311, 23.4531, 30.2756
YIQ	128.3110, -26.0410, -7.1370

Conversions

Conversions Part 2

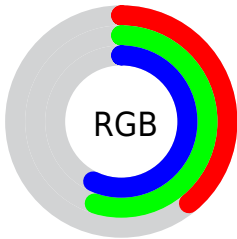
Format	Color
R_{YB}	99, 121, 145
Decimal	6524049
CIE Lab	55.54, -12.79, -7.20
CIE LCh	56, 14.678, 209.381
Yxy	23.4531, 0.2676, 0.3197
Android (android.graphics.Color)	4284714129 (0xFF638C91)
YUV	128.3110, 8.2277, -25.7057
Hunter-Lab	48.4284, -12.3925, -3.1659

Details

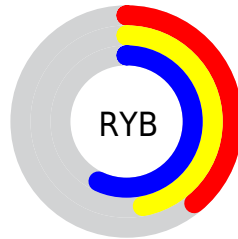
The Yxy color $23.4531, 0.2676, 0.3197$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.8092, 0.3795, 0.3380$, and the grayscale version is $21.6757, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2864, 0.2770, 0.3222$, and $8.7915, 0.2502, 0.3147$ is the 20% darker color. If you saturate the color by 10%, you get $22.2545, 0.2553, 0.3164$, and if you desaturate by 10%, it is $24.8067, 0.2810, 0.3229$.

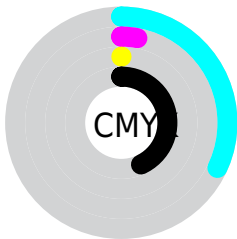
Distribution



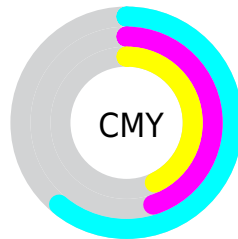
- Red (39%)
- Green (55%)
- Blue (57%)



- Red (39%)
- Yellow (47%)
- Blue (57%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4531, 0.2676, 0.3197 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 23.4531, 0.2676, 0.3197 by changing the saturation by 10% instead.

■ 23.4531, 0.2676,
0.3197

■ 23.4531, 0.2676,
0.3197

270.0437, 0.2924,
0.3253

■ 14.9284, 0.2605,
0.3179

■ 49.1363, 0.2772,
0.3220

■ 8.7692, 0.2509,
0.3153

■ 67.0635, 0.2807,
0.3228

■ 4.5909, 0.2369,
0.3113

■ 88.8938, 0.2835,
0.3234

■ 2.0093, 0.2149,
0.3041

■ 115.0114, 0.2858,
0.3239

■ 0.6129, 0.1306,
0.2962

145.8009, 0.2879,
0.3243

■ 0.0000, 0.0000,
0.0000

181.6465, 0.2896,

0.3247

222.9326, 0.2911,
0.3250

■ 23.4531, 0.2676,
0.3197

■ 23.4531, 0.2676,
0.3197

■ 22.2545, 0.2553,
0.3164

■ 24.8067, 0.2810,
0.3229

■ 21.2002, 0.2444,
0.3129

■ 26.3199, 0.2953,
0.3258

■ 20.2826, 0.2351,
0.3092

■ 28.0002, 0.3101,
0.3286

■ 19.4920, 0.2275,
0.3056

■ 29.8542, 0.3252,
0.3310

■ 18.8177, 0.2218,
0.3019

■ 31.8880, 0.3404,
0.3333

■ 18.2468, 0.2178,
0.2983

■ 34.1071, 0.3555,
0.3353

■ 17.8243, 0.2154,
0.2953

■ 36.5173, 0.3703,
0.3370

■ 39.1236, 0.3846,
0.3386

■ 41.9312, 0.3984,
0.3399

Harmonies

Analogous

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



23.4531, 0.2826, 0.3441



23.4531, 0.2676, 0.3197



23.4531, 0.2642, 0.2992

Triad

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



23.4531, 0.2676, 0.3197



23.4531, 0.3180, 0.2966



23.4531, 0.3530, 0.3709

Complementary

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



23.4531, 0.2676, 0.3197



16.8092, 0.3795, 0.3380

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.



23.4531, 0.3636, 0.3560



23.4531, 0.2676, 0.3197



23.4531, 0.3430, 0.3139

Square

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



23.4531, 0.2676, 0.3197



23.4531, 0.2925, 0.2871



23.4531, 0.3600, 0.3353



23.4531, 0.3317, 0.3746

Rectangle

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



23.4531, 0.2676, 0.3197



23.4531, 0.2689, 0.2904



23.4531, 0.3600, 0.3353



23.4531, 0.3580, 0.3669

Sweetspot

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



23.4540, 0.2676, 0.3197



47.5841, 0.2975, 0.3263



23.8892, 0.3044, 0.4098



10.5054, 0.2957, 0.3259



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.



23.4540, 0.2676, 0.3197



40.4667, 0.2588, 0.3174



17.5055, 0.2625, 0.2759



6.0181, 0.2990, 0.3266



15.3138, 0.2154, 0.2955



0.1649, 0.2204, 0.3133

Inverse Universe

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



16.8303, 0.3227, 0.2603



26.8355, 0.3254, 0.2452



21.9898, 0.3677, 0.3768



5.5011, 0.3153, 0.3096



6.5323, 0.3494, 0.1698



0.0643, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 23.4531, 0.2676, 0.3197 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 23.4531, 0.2676, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

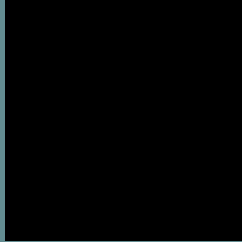
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4531, 0.2676, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 23.4531, 0.2676, 0.3197.



This preview shows how white text looks on a background with the Yxy color 23.4531, 0.2676, 0.3197.

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

23.4531, 0.2676, 0.3197

Protanopia

23.3825, 0.3055, 0.3153

Deuteranopia

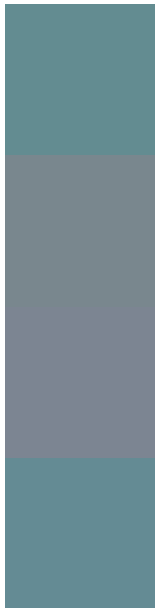
23.2961, 0.3050, 0.2990



Tritanopia

23.3766, 0.2642, 0.3089

Trichromacy



Original Color

23.4531, 0.2676, 0.3197

Protanomaly

23.3459, 0.2906, 0.3166

Deuteranomaly

23.1355, 0.2898, 0.3063

Tritanomaly

23.3127, 0.2658, 0.3124

Monochromacy



Original Color

23.4531, 0.2676, 0.3197

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0057, 0.2940, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4531, 0.2676, 0.3197 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(99, 140, 145)` looks like.

```
.text, #text, p{  
    color:rgb(99, 140, 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(99, 140, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 140, 145) }
```

Border

The CSS property to change the border of an element to Yxy 23.4531, 0.2676, 0.3197 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(99, 140, 145) }
```

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

```
.border{ border-color:rgb(99, 140, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 140, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 140, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 140, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 140,  
145) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.4531, 0.2676, 0.3197$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 140, 145) }
```

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

```
.background{ background-color: rgb(99, 140,  
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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