

Converting Colors

$Y_{xy}(25.1695, 0.2601, 0.3087)$

Have a look what the booklet for
Yxy(25.1695, 0.2601, 0.3087)
contains.

Yxy(25.3037, 0.2601, 0.3094)	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

$Y_{xy}(25.3037, 0.2601, 0.3094)$

Conversions

Conversions Part 1

Format	Color
Hex	63919C
RGB	99, 145, 156
RGB Percent	39%, 57%, 61%
CMY	0.6117, 0.4314, 0.3883
CMYK	0.37, 0.07, 0.00, 0.39
HSL	192°, 22%, 50%
HSV	192°, 37%, 61%
XYZ	21.2718, 25.3037, 35.2076
YIQ	132.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

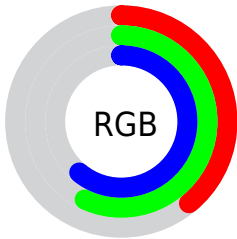
Format	Color
R_{YB}	99, 124, 156
Decimal	6525340
CIE _{Lab}	57.37, -12.68, -10.77
CIE _{LCh}	57, 16.640, 220.352
Yxy	25.3037, 0.2601, 0.3094
Android (android.graphics.Color)	4284715420 (0xFF63919C)
YUV	132.5000, 11.5855, -29.3795
Hunter-Lab	50.3028, -12.5467, -6.2860

Details

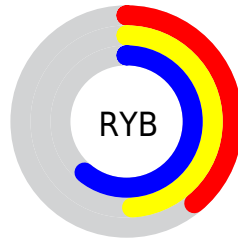
The Yxy color **25.3037, 0.2601, 0.3094** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1193, 0.3914, 0.3475**, and the grayscale version is **23.2315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1754, 0.2714, 0.3146**, and **9.6537, 0.2410, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **23.6023, 0.2476, 0.3031**, and if you desaturate by 10%, it is **27.2012, 0.2737, 0.3153**.

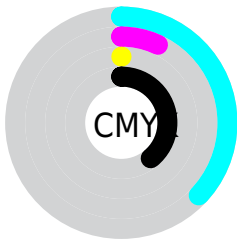
Distribution



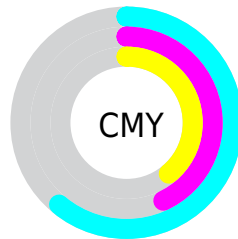
- Red (39%)
- Green (57%)
- Blue (61%)



- Red (39%)
- Yellow (49%)
- Blue (61%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3037, 0.2601, 0.3094 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 25.3037, 0.2601, 0.3094 by changing the saturation by 10% instead.

■ 25.3037, 0.2601,
0.3094

■ 25.3037, 0.2601,
0.3094

■ 279.3470, 0.2886,
0.3207

■ 16.3035, 0.2522,
0.3060

■ 52.1495, 0.2710,
0.3139

■ 9.7391, 0.2415,
0.3012

■ 70.7638, 0.2749,
0.3154

■ 5.2263, 0.2264,
0.2941

■ 93.3517, 0.2782,
0.3167

■ 2.3807, 0.2034,
0.2823

■ 120.2974, 0.2809,
0.3178

■ 0.8159, 0.1506,
0.2637

■ 151.9854, 0.2833,
0.3187

■ 0.0000, 0.0000,
0.0000

188.8001, 0.2853,

0.3194

231.1258, 0.2871,
0.3201

■ 25.3037, 0.2601,
0.3094

■ 25.3037, 0.2601,
0.3094

■ 23.6023, 0.2476,
0.3031

■ 27.2012, 0.2737,
0.3153

■ 22.0839, 0.2364,
0.2966

■ 29.3008, 0.2881,
0.3209

■ 20.7385, 0.2268,
0.2898

■ 31.6123, 0.3029,
0.3259

■ 19.5539, 0.2190,
0.2829

■ 34.1437, 0.3180,
0.3306

■ 18.5158, 0.2130,
0.2761

■ 36.9024, 0.3330,
0.3347

■ 17.6030, 0.2088,
0.2693

■ 39.8958, 0.3478,
0.3385

■ 17.2992, 0.2075,
0.2669

■ 43.1306, 0.3622,
0.3417

■ 46.6134, 0.3762,
0.3446

■ 50.3506, 0.3895,
0.3472

Harmonies

Analogous

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



25.3037, 0.2721, 0.3358



25.3037, 0.2601, 0.3094



25.3037, 0.2614, 0.2901

Triad

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



25.3037, 0.2601, 0.3094



25.3037, 0.3291, 0.2995



25.3037, 0.3496, 0.3785

Complementary

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



25.3037, 0.2601, 0.3094



19.1193, 0.3914, 0.3475

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.



25.3037, 0.3664, 0.3658



25.3037, 0.2601, 0.3094



25.3037, 0.3545, 0.3206

Square

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



25.3037, 0.2601, 0.3094



25.3037, 0.3002, 0.2856



25.3037, 0.3684, 0.3445



25.3037, 0.3233, 0.3774

Rectangle

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



25.3037, 0.2601, 0.3094



25.3037, 0.2696, 0.2834



25.3037, 0.3684, 0.3445



25.3037, 0.3566, 0.3756

Sweetspot

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



25.3047, 0.2601, 0.3094



55.4089, 0.2959, 0.3236



27.5391, 0.2992, 0.4158



12.0783, 0.2941, 0.3230



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.3047, 0.2601, 0.3094



43.3650, 0.2495, 0.3042



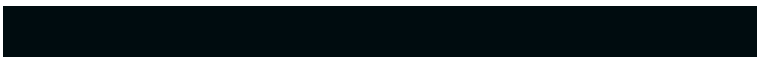
17.7893, 0.2529, 0.2568



7.2920, 0.2988, 0.3246



14.3005, 0.2076, 0.2674



0.3069, 0.2152, 0.2946

Inverse Universe

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



18.0378, 0.3309, 0.2564



28.5011, 0.3362, 0.2403



26.1285, 0.3754, 0.3917



6.7326, 0.3165, 0.3111



7.0659, 0.3753, 0.1841



0.1315, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 25.3037, 0.2601, 0.3094 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 25.3037, 0.2601, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

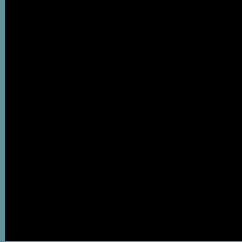
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

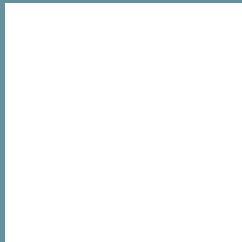
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.3037, 0.2601, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 25.3037, 0.2601, 0.3094.



This preview shows how white text looks on a background with the Yxy color 25.3037, 0.2601, 0.3094.

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

25.3037, 0.2601, 0.3094

Protanopia

25.0446, 0.2987, 0.3058

Deuteranopia

25.1815, 0.2961, 0.2904



Tritanopia

25.3378, 0.2593, 0.3077

Trichromacy



Original Color

25.3037, 0.2601, 0.3094

Protanomaly

24.9432, 0.2837, 0.3067

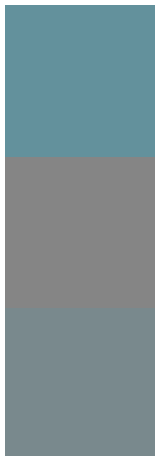
Deuteranomaly

25.0469, 0.2821, 0.2971

Tritanomaly

25.3378, 0.2593, 0.3077

Monochromacy



Original Color

25.3037, 0.2601, 0.3094

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.8794, 0.2917, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3037, 0.2601, 0.3094 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, 145, 156)` looks like.

```
.text, #text, p{  
    color:rgb(99, 145, 156)  
}
```

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, 145, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 145, 156) }
```

Border

The CSS property to change the border of an element to Yxy 25.3037, 0.2601, 0.3094 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, 145, 156) }
```

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

```
.border{ border-color:rgb(99, 145, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 145, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 145, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 145, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 145,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3037, 0.2601, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 145, 156) }
```

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

```
.background{ background-color: rgb(99, 145,  
156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor