

Converting Colors

$Y_{xy}(37.3966, 0.2522, 0.2833)$

Have a look what the booklet for
Yxy(37.3966, 0.2522, 0.2833)
contains.

Yxy(37.2247, 0.2520, 0.2826)	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(37.2247, 0.2520, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	7BAACA
RGB	123, 170, 202
RGB Percent	48%, 67%, 79%
CMY	0.5179, 0.3333, 0.2079
CMYK	0.39, 0.16, 0.00, 0.21
HSL	204°, 43%, 64%
HSV	204°, 39%, 79%
XYZ	33.1940, 37.2247, 61.3035
YIQ	159.5950, -38.2840, -0.0120

Conversions

Conversions Part 2

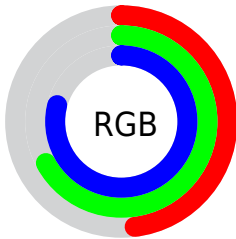
Format	Color
R _{YB}	123, 152, 202
Decimal	8104650
CIE Lab	67.45, -7.57, -21.28
CIE LCh	67, 22.582, 250.417
Yxy	37.2247, 0.2520, 0.2826
Android (android.graphics.Color)	4286294730 (0xFF7BAACA)
YUV	159.5950, 20.9057, -32.0938
Hunter-Lab	61.0120, -9.6570, -16.8648

Details

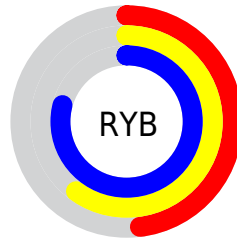
The Yxy color **37.2247, 0.2520, 0.2826** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.3890, 0.3929, 0.3707**, and the grayscale version is **34.8669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5354, 0.2653, 0.2954**, and **16.3971, 0.2346, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **32.9202, 0.2372, 0.2682**, and if you desaturate by 10%, it is **42.0295, 0.2674, 0.2960**.

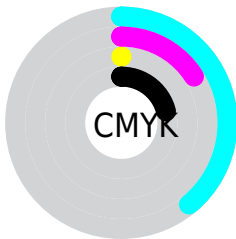
Distribution



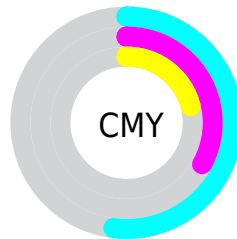
- Red (48%)
- Green (67%)
- Blue (79%)



- Red (48%)
- Yellow (60%)
- Blue (79%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (21%)



- Cyan (52%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2247, 0.2520, 0.2826 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 37.2247, 0.2520, 0.2826 by changing the saturation by 10% instead.


 37.2247, 0.2520,
0.2826


 37.2247, 0.2520,
0.2826


334.2823, 0.2828,
0.3067


 25.3815, 0.2442,
0.2763


 70.9182, 0.2633,
0.2916

 16.3615, 0.2343,
0.2681


 93.5374, 0.2675,
0.2949

 9.7803, 0.2210,
0.2570


 120.5173, 0.2710,
0.2977

 5.2536, 0.2026,
0.2413

152.2424, 0.2740,
0.3000

 2.3968, 0.1757,
0.2173

189.0970, 0.2767,
0.3021

 0.8242, 0.1296,
0.1784

231.4657, 0.2790,

 0.0000, 0.0000,

0.3038

0.0000

279.7326, 0.2810,
0.3054

■ 37.2247, 0.2520,
0.2826

■ 37.2247, 0.2520,
0.2826

■ 32.9202, 0.2372,
0.2682

■ 42.0295, 0.2674,
0.2960

■ 29.0893, 0.2236,
0.2532

■ 47.3512, 0.2831,
0.3084

■ 25.7087, 0.2114,
0.2376

■ 53.2104, 0.2987,
0.3197

■ 22.7508, 0.2010,
0.2219

■ 59.6254, 0.3140,
0.3298

■ 20.1834, 0.1928,
0.2063

■ 66.6135, 0.3288,
0.3389

■ 17.9546, 0.1866,
0.1912

■ 74.1910, 0.3430,
0.3469

■ 17.7738, 0.1861,
0.1900

■ 80.5639, 0.3495,
0.3546

■ 85.1427, 0.3479,
0.3625

■ 89.9363, 0.3463,
0.3704

Harmonies

Analogous

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



37.2247, 0.2504, 0.3052



37.2247, 0.2520, 0.2826



37.2247, 0.2688, 0.2734

Triad

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



37.2247, 0.2520, 0.2826



37.2247, 0.3627, 0.3188



37.2247, 0.3249, 0.3872

Complementary

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



37.2247, 0.2520, 0.2826



37.3890, 0.3929, 0.3707

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.



37.2247, 0.3564, 0.3881



37.2247, 0.2520, 0.2826



37.2247, 0.3793, 0.3469

Square

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



37.2247, 0.2520, 0.2826



37.2247, 0.3322, 0.2942



37.2247, 0.3768, 0.3724



37.2247, 0.2913, 0.3680

Rectangle

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



37.2247, 0.2520, 0.2826



37.2247, 0.2870, 0.2749



37.2247, 0.3768, 0.3724



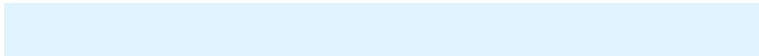
37.2247, 0.3361, 0.3896

Sweetspot

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



37.2261, 0.2520, 0.2826



87.0100, 0.2940, 0.3164



48.7914, 0.2874, 0.3989



18.3391, 0.2919, 0.3149



0.0000, 0.0000, 0.0000



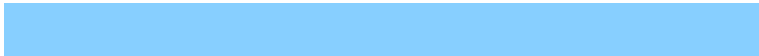
21.4041, 0.3127, 0.3290

Same Dimension

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



37.2261, 0.2520, 0.2826



56.7879, 0.2394, 0.2705



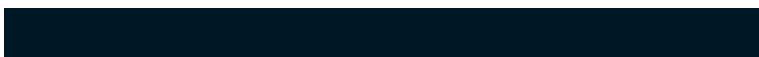
24.6561, 0.2429, 0.2226



11.9365, 0.2983, 0.3194



11.6176, 0.1867, 0.1920



0.7458, 0.1949, 0.2216

Inverse Universe

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



29.6049, 0.3517, 0.2691



43.1125, 0.3637, 0.2565



52.6021, 0.3742, 0.4168



11.3240, 0.3199, 0.3153



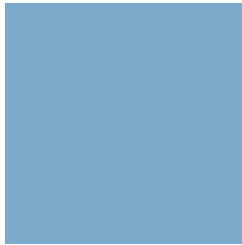
8.9758, 0.4545, 0.2277



0.4778, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 37.2247, 0.2520, 0.2826 looks on a white background.

Color Contrast Check

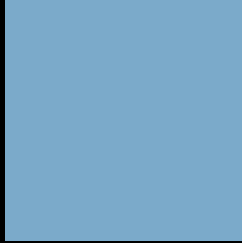
Large Text (above 18pt) WCAG AA × Fail

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 37.2247, 0.2520, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

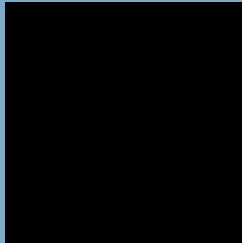
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

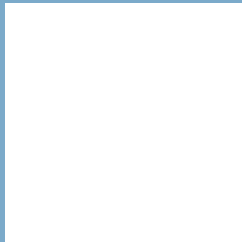
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2247, 0.2520, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 37.2247, 0.2520, 0.2826.

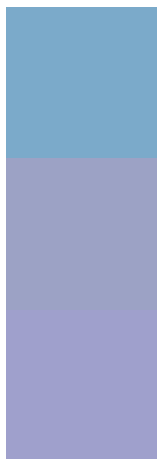


This preview shows how white text looks on a background with the Yxy color 37.2247, 0.2520, 0.2826.

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

37.2247, 0.2520, 0.2826

Protanopia

36.9398, 0.2788, 0.2806

Deuteranopia

36.8722, 0.2759, 0.2693



Tritanopia

37.3969, 0.2595, 0.3078

Trichromacy



Original Color

37.2247, 0.2520, 0.2826

Protanomaly

36.9631, 0.2681, 0.2810

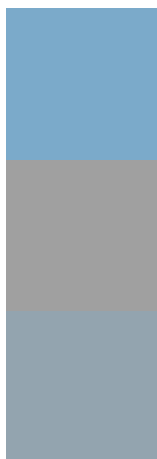
Deuteranomaly

36.9737, 0.2667, 0.2746

Tritanomaly

37.3039, 0.2567, 0.2992

Monochromacy



Original Color

37.2247, 0.2520, 0.2826

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8491, 0.2883, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2247, 0.2520, 0.2826 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(123, 170, 202)` looks like.

```
.text, #text, p{  
    color:rgb(123, 170, 202)  
}
```

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(123, 170, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 170, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.2247, 0.2520, 0.2826 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(123, 170, 202) }
```

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

```
.border{ border-color:rgb(123, 170, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 170, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 170, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 170, 202);  
box-shadow:4px 4px 4px 4px rgb(123, 170,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2247, 0.2520, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 170, 202) }
```

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

```
.background{ background-color: rgb(123,  
170, 202) }
```

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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