

Converting Colors

Yxy(37.9414, 0.2516, 0.2611)

Have a look what the booklet for
Yxy(37.9414, 0.2516, 0.2611)
contains.

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Color

Yxy(37.9656, 0.2517, 0.2606)

Conversions

Conversions Part 1

Format	Color
Hex	89A7D9
RGB	137, 167, 217
RGB Percent	54%, 65%, 85%
CMY	0.4625, 0.3452, 0.1490
CMYK	0.37, 0.23, 0.00, 0.15
HSL	218°, 51%, 69%
HSV	218°, 37%, 85%
XYZ	36.6690, 37.9656, 71.0507
YIQ	163.7300, -33.9300, 9.1900

Conversions

Conversions Part 2

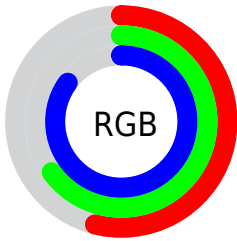
Format	Color
RYB	137, 159, 217
Decimal	9021401
CIELab	68.00, 1.94, -28.65
CIElCh	68, 28.720, 273.878
Yxy	37.9656, 0.2517, 0.2606
Android (android.graphics.Color)	4287211481 (0xFF89A7D9)
YUV	163.7300, 26.2621, -23.4422
Hunter-Lab	61.6162, -1.5996, -25.2370

Details

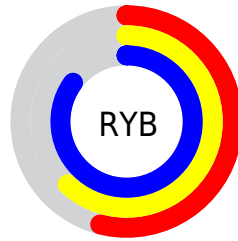
The Yxy color **37.9656, 0.2517, 0.2606** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.1440, 0.3797, 0.3887**, and the grayscale version is **36.8810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6690, 0.2731, 0.2928**, and **16.7549, 0.2342, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **31.5959, 0.2342, 0.2379**, and if you desaturate by 10%, it is **45.2297, 0.2692, 0.2817**.

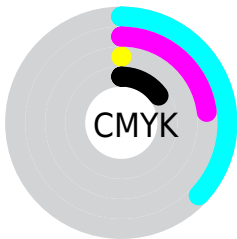
Distribution



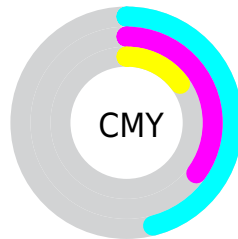
- Red (54%)
- Green (65%)
- Blue (85%)



- Red (54%)
- Yellow (62%)
- Blue (85%)



- Cyan (37%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)




- Cyan (46%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9656, 0.2517, 0.2606 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 37.9656, 0.2517, 0.2606 by changing the saturation by 10% instead.


 37.9656, 0.2517,
0.2606


 37.9656, 0.2517,
0.2606


337.4724, 0.2826,
0.2950


 25.9560, 0.2440,
0.2520


 72.0554, 0.2630,
0.2731

 16.7907, 0.2341,
0.2411


 94.9044, 0.2672,
0.2778

 10.0854, 0.2210,
0.2268


 122.1353, 0.2708,
0.2818

 5.4556, 0.2030,
0.2071

154.1325, 0.2738,
0.2852

 2.5170, 0.1771,
0.1791

191.2804, 0.2765,
0.2881

 0.8851, 0.1380,
0.1373

233.9635, 0.2788,

 0.0000, 0.0000,

0.2907

0.0000

282.5660, 0.2808,
0.2930

■ 37.9656, 0.2517,
0.2606

■ 37.9656, 0.2517,
0.2606

■ 31.5959, 0.2342,
0.2379

■ 45.2297, 0.2692,
0.2817

■ 26.0778, 0.2172,
0.2140

■ 53.4195, 0.2861,
0.3010

■ 21.3714, 0.2014,
0.1897

■ 62.5700, 0.3022,
0.3183

■ 17.4310, 0.1876,
0.1658

■ 72.7131, 0.3174,
0.3337

■ 14.2051, 0.1764,
0.1432

■ 83.8791, 0.3314,
0.3472

■ 11.6315, 0.1681,
0.1230

■ 93.6935, 0.3361,
0.3599

■ 10.9270, 0.1659,
0.1170

■ 97.7905, 0.3351,
0.3661

Harmonies

Analogous

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



37.9656, 0.2351, 0.2751



37.9656, 0.2517, 0.2606



37.9656, 0.2846, 0.2630

Triad

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



37.9656, 0.2517, 0.2606



37.9656, 0.3945, 0.3428



37.9656, 0.2941, 0.3862

Complementary

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



37.9656, 0.2517, 0.2606



52.1440, 0.3797, 0.3887

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.



37.9656, 0.3367, 0.4057



37.9656, 0.2517, 0.2606



37.9656, 0.3964, 0.3762

Square

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



37.9656, 0.2517, 0.2606



37.9656, 0.3687, 0.3086



37.9656, 0.3745, 0.4004



37.9656, 0.2581, 0.3478

Rectangle

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



37.9656, 0.2517, 0.2606



37.9656, 0.3127, 0.2731



37.9656, 0.3745, 0.4004



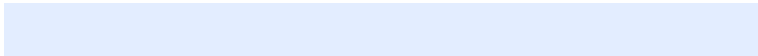
37.9656, 0.3081, 0.3954

Sweetspot

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



37.9671, 0.2517, 0.2606



84.3703, 0.2955, 0.3111



58.5185, 0.2784, 0.3699



17.6724, 0.2933, 0.3088



0.0000, 0.0000, 0.0000



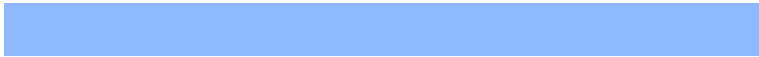
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9671, 0.2517, 0.2606



47.6510, 0.2384, 0.2436



29.0685, 0.2531, 0.2202



13.4116, 0.2981, 0.3140



6.8007, 0.1666, 0.1197



0.6029, 0.1757, 0.1526

Inverse Universe

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



35.4543, 0.3680, 0.2929



44.3388, 0.3849, 0.2855



64.8064, 0.3603, 0.4226



13.1317, 0.3233, 0.3203



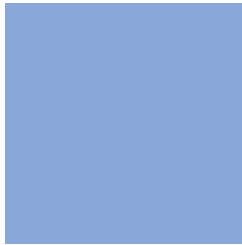
9.3103, 0.5471, 0.2787



0.6195, 0.5026, 0.2542

Previews

White Background



This preview shows how the Yxy color 37.9656, 0.2517, 0.2606 looks on a white background.

Color Contrast Check

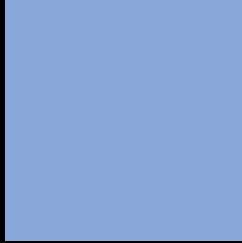
Large Text (above 18pt) WCAG AA × Fail

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 37.9656, 0.2517, 0.2606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

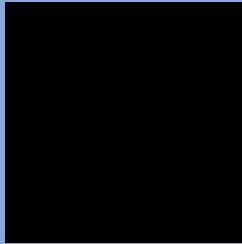
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

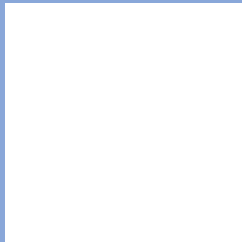
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9656, 0.2517, 0.2606

Background



This preview shows how black text looks on a background with the Yxy color 37.9656, 0.2517, 0.2606.



This preview shows how white text looks on a background with the Yxy color 37.9656, 0.2517, 0.2606.

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

37.9656, 0.2517, 0.2606

Protanopia

37.7248, 0.2637, 0.2605

Deuteranopia

38.0286, 0.2618, 0.2560



Tritanopia

38.1781, 0.2678, 0.3097

Trichromacy



Original Color

37.9656, 0.2517, 0.2606

Protanomaly

37.6603, 0.2595, 0.2601

Deuteranomaly

37.8159, 0.2575, 0.2565

Tritanomaly

38.1436, 0.2623, 0.2915

Monochromacy



Original Color

37.9656, 0.2517, 0.2606

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1992, 0.2881, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9656, 0.2517, 0.2606 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(137, 167, 217)` looks like.

```
.text, #text, p{  
    color:rgb(137, 167, 217)  
}
```

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(137, 167, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 167, 217) }
```

Border

The CSS property to change the border of an element to Yxy 37.9656, 0.2517, 0.2606 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(137, 167, 217) }
```

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

```
.border{ border-color:rgb(137, 167, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 167, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 167, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 167, 217);  
box-shadow:4px 4px 4px 4px rgb(137, 167,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9656, 0.2517, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 167, 217) }
```

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

```
.background{ background-color: rgb(137,  
167, 217) }
```

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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