

Converting Colors

$Yxy(42.3787, 0.2368, 0.2529)$

Have a look what the booklet for
Yxy(42.3787, 0.2368, 0.2529)
contains.

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Color

Yxy(42.3325, 0.2369, 0.2528)

Conversions

Conversions Part 1

Format	Color
Hex	7EB2EC
RGB	126, 178, 236
RGB Percent	49%, 70%, 93%
CMY	0.5058, 0.3020, 0.0744
CMYK	0.47, 0.25, 0.00, 0.07
HSL	212°, 74%, 71%
HSV	212°, 47%, 93%
XYZ	39.6700, 42.3325, 85.4520
YIQ	169.0640, -49.6100, 7.0140

Conversions

Conversions Part 2

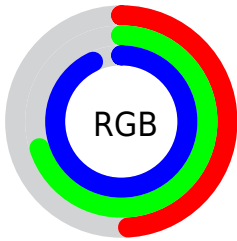
Format	Color
RYB	126, 161, 236
Decimal	8303340
CIELab	71.10, -1.77, -34.31
CIELCh	71, 34.355, 267.050
Yxy	42.3325, 0.2369, 0.2528
Android (android.graphics.Color)	4286493420 (0xFF7EB2EC)
YUV	169.0640, 32.9994, -37.7671
Hunter-Lab	65.0634, -5.0274, -32.3250

Details

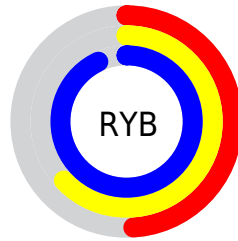
The Yxy color **42.3325, 0.2369, 0.2528** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.6479, 0.4072, 0.3935**, and the grayscale version is **39.5656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1329, 0.2692, 0.3059**, and **19.4822, 0.2171, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **36.0140, 0.2211, 0.2327**, and if you desaturate by 10%, it is **49.5271, 0.2534, 0.2718**.

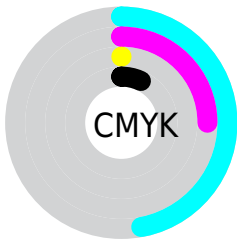
Distribution



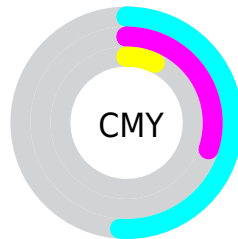
- Red (49%)
- Green (70%)
- Blue (93%)



- Red (49%)
- Yellow (63%)
- Blue (93%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)



- Cyan (51%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3325, 0.2369, 0.2528 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 42.3325, 0.2369, 0.2528 by changing the saturation by 10% instead.

■ 42.3325, 0.2369,
0.2528

■ 42.3325, 0.2369,
0.2528

■ 355.8594, 0.2742,
0.2905

■ 29.3617, 0.2279,
0.2437

■ 78.7026, 0.2502,
0.2663

■ 19.3546, 0.2167,
0.2322

■ 102.8707, 0.2553,
0.2714

■ 11.9268, 0.2022,
0.2174

■ 131.5401, 0.2596,
0.2758

■ 6.6939, 0.1830,
0.1976

■ 165.0951, 0.2633,
0.2796

■ 3.2714, 0.1567,
0.1704

■ 203.9202, 0.2666,
0.2828

■ 1.2750, 0.1197,
0.1318

■ 248.3996, 0.2694,

■ 0.1217, 0.0195,

0.2857

0.0327

298.9179, 0.2719,
0.2882

0.0000, 0.0000,
0.0000

42.3325, 0.2369,
0.2528

42.3325, 0.2369,
0.2528

36.0140, 0.2211,
0.2327

49.5271, 0.2534,
0.2718

30.5248, 0.2067,
0.2120

57.6319, 0.2701,
0.2895

25.8199, 0.1941,
0.1913

66.6845, 0.2866,
0.3057

21.8462, 0.1838,
0.1711

76.7186, 0.3026,
0.3202

18.5396, 0.1762,
0.1522

87.7663, 0.3178,
0.3332

■ 17.5372, 0.1739,
0.1460

■ 97.3806, 0.3240,
0.3451

■ 98.8373, 0.3238,
0.3473

Harmonies

Analogous

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



42.3325, 0.2228, 0.2733



42.3325, 0.2369, 0.2528



42.3325, 0.2703, 0.2517

Triad

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



42.3325, 0.2369, 0.2528



42.3325, 0.4027, 0.3350



42.3325, 0.3017, 0.4034

Complementary

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



42.3325, 0.2369, 0.2528



53.6479, 0.4072, 0.3935

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.



42.3325, 0.3506, 0.4190



42.3325, 0.2369, 0.2528



42.3325, 0.4112, 0.3740

Square

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



42.3325, 0.2369, 0.2528



42.3325, 0.3674, 0.2973



42.3325, 0.3912, 0.4058



42.3325, 0.2580, 0.3618

Rectangle

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



42.3325, 0.2369, 0.2528



42.3325, 0.3010, 0.2607



42.3325, 0.3912, 0.4058



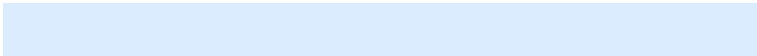
42.3325, 0.3181, 0.4120

Sweetspot

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



42.3341, 0.2369, 0.2528



82.4134, 0.2907, 0.3095



67.8538, 0.2768, 0.3984



17.1047, 0.2872, 0.3063



0.0000, 0.0000, 0.0000



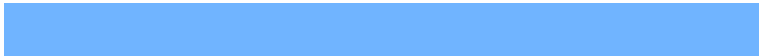
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3341, 0.2369, 0.2528



43.1854, 0.2217, 0.2335



25.5655, 0.2254, 0.1830



15.7226, 0.2981, 0.3162



9.9200, 0.1747, 0.1489



0.9703, 0.1819, 0.1749

Inverse Universe

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



35.9801, 0.3781, 0.2715



36.1742, 0.3990, 0.2612



79.0342, 0.3802, 0.4434



15.1725, 0.3219, 0.3179



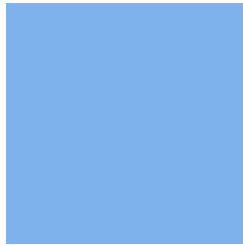
10.4942, 0.5073, 0.2568



0.8434, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 42.3325, 0.2369, 0.2528 looks on a white background.

Color Contrast Check

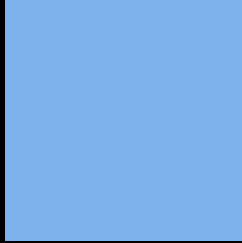
Large Text (above 18pt) WCAG AA × Fail

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 42.3325, 0.2369, 0.2528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

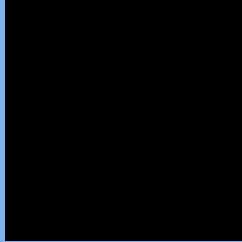
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

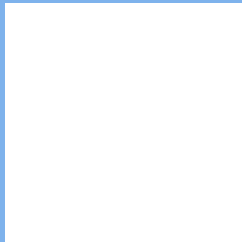
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3325, 0.2369, 0.2528

Background



This preview shows how black text looks on a background with the Yxy color 42.3325, 0.2369, 0.2528.



This preview shows how white text looks on a background with the Yxy color 42.3325, 0.2369, 0.2528.

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

42.3325, 0.2369, 0.2528

Protanopia

42.0634, 0.2577, 0.2528

Deuteranopia

42.1689, 0.2515, 0.2448



Tritanopia

42.5129, 0.2518, 0.3072

Trichromacy



Original Color

42.3325, 0.2369, 0.2528

Protanomaly

42.2663, 0.2497, 0.2531

Deuteranomaly

42.3158, 0.2461, 0.2485

Tritanomaly

42.1819, 0.2461, 0.2856

Monochromacy



Original Color

42.3325, 0.2369, 0.2528

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1276, 0.2802, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3325, 0.2369, 0.2528 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(126, 178, 236)` looks like.

```
.text, #text, p{  
    color:rgb(126, 178, 236)  
}
```

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(126, 178, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 178, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.3325, 0.2369, 0.2528 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(126, 178, 236) }
```

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

```
.border{ border-color:rgb(126, 178, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 178, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 178, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 178, 236); box-shadow:4px 4px 4px 4px rgb(126, 178, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3325, 0.2369, 0.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 178, 236) }
```

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

```
.background{ background-color: rgb(126,  
178, 236) }
```

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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