

Converting Colors

$Yxy(36.2561, 0.2362, 0.2353)$

Have a look what the booklet for
Yxy(36.2561, 0.2362, 0.2353)
contains.

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Color

Yxy(36.2561, 0.2362, 0.2353)

Conversions

Conversions Part 1

Format	Color
Hex	80A2E8
RGB	128, 162, 232
RGB Percent	50%, 64%, 91%
CMY	0.4978, 0.3647, 0.0901
CMYK	0.45, 0.30, 0.00, 0.09
HSL	220°, 69%, 71%
HSV	220°, 45%, 91%
XYZ	36.3948, 36.2561, 81.4337
YIQ	159.8140, -42.7340, 14.5620

Conversions

Conversions Part 2

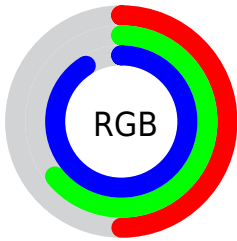
Format	Color
RYB	128, 154, 232
Decimal	8430312
CIELab	66.72, 6.55, -38.93
CIElCh	67, 39.477, 279.551
Yxy	36.2561, 0.2362, 0.2353
Android (android.graphics.Color)	4286620392 (0xFF80A2E8)
YUV	159.8140, 35.5877, -27.9009
Hunter-Lab	60.2130, 2.5186, -38.0362

Details

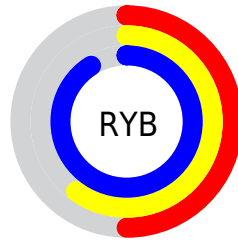
The Yxy color **36.2561, 0.2362, 0.2353** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.1412, 0.3948, 0.4068**, and the grayscale version is **34.9169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1600, 0.2683, 0.2867**, and **15.8812, 0.2149, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **29.4910, 0.2184, 0.2097**, and if you desaturate by 10%, it is **44.1194, 0.2543, 0.2596**.

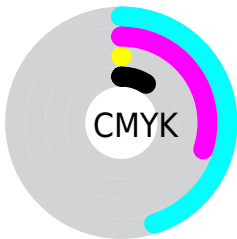
Distribution



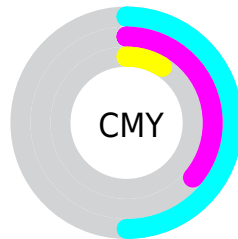
- Red (50%)
- Green (64%)
- Blue (91%)



- Red (50%)
- Yellow (60%)
- Blue (91%)



- Cyan (45%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2561, 0.2362, 0.2353 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 36.2561, 0.2362, 0.2353 by changing the saturation by 10% instead.

■ 36.2561, 0.2362,
0.2353

■ 36.2561, 0.2362,
0.2353

330.0785, 0.2749,
0.2817

■ 24.6321, 0.2266,
0.2241

■ 69.4272, 0.2502,
0.2519

■ 15.8031, 0.2145,
0.2101

■ 91.7430, 0.2555,
0.2582

■ 9.3850, 0.1987,
0.1920

■ 118.3915, 0.2600,
0.2636

■ 4.9931, 0.1776,
0.1682

149.7571, 0.2638,
0.2682

■ 2.2432, 0.1483,
0.1361

186.2242, 0.2671,
0.2723

■ 0.7434, 0.1071,
0.0919

228.1772, 0.2700,

■ 0.0000, 0.0000,

0.2758

0.0000

276.0005, 0.2726,
0.2789

■ 36.2561, 0.2362,
0.2353

■ 36.2561, 0.2362,
0.2353

■ 29.4910, 0.2184,
0.2097

■ 44.1194, 0.2543,
0.2596

■ 23.7667, 0.2016,
0.1836

■ 53.1264, 0.2722,
0.2822

■ 19.0261, 0.1868,
0.1581

■ 63.3245, 0.2893,
0.3026

■ 15.2036, 0.1747,
0.1343

■ 74.7573, 0.3054,
0.3209

■ 12.2233, 0.1657,
0.1133

■ 87.4660, 0.3203,
0.3372

■ 10.9601, 0.1622,
0.1037

■ 98.6070, 0.3262,
0.3512

Harmonies

Analogous

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



36.2561, 0.2101, 0.2488



36.2561, 0.2362, 0.2353



36.2561, 0.2836, 0.2432

Triad

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



36.2561, 0.2362, 0.2353



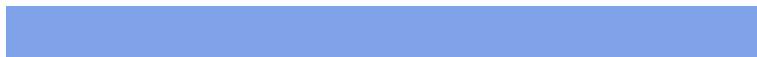
36.2561, 0.4304, 0.3541



36.2561, 0.2752, 0.4021

Complementary

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



36.2561, 0.2362, 0.2353



59.1412, 0.3948, 0.4068

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.



36.2561, 0.3329, 0.4361



36.2561, 0.2362, 0.2353



36.2561, 0.4248, 0.3988

Square

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



36.2561, 0.2362, 0.2353



36.2561, 0.4000, 0.3084



36.2561, 0.3879, 0.4315



36.2561, 0.2303, 0.3427

Rectangle

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



36.2561, 0.2362, 0.2353



36.2561, 0.3234, 0.2588



36.2561, 0.3879, 0.4315



36.2561, 0.2937, 0.4175

Sweetspot

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



36.2574, 0.2362, 0.2353



80.8180, 0.2922, 0.3060



66.3622, 0.2697, 0.3737



16.6578, 0.2885, 0.3017



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.



36.2574, 0.2362, 0.2353



36.9520, 0.2193, 0.2111



27.3333, 0.2410, 0.1936



14.6517, 0.2981, 0.3127



6.2879, 0.1630, 0.1066



0.6291, 0.1711, 0.1358

Inverse Universe

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



35.2185, 0.3921, 0.2905



36.6702, 0.4188, 0.2834



73.6808, 0.3660, 0.4443



14.4452, 0.3241, 0.3214



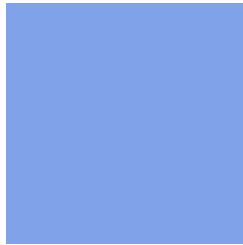
9.8325, 0.5660, 0.2892



0.7432, 0.5248, 0.2665

Previews

White Background



This preview shows how the Yxy color 36.2561, 0.2362, 0.2353 looks on a white background.

Color Contrast Check

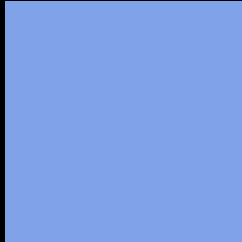
Large Text (above 18pt) WCAG AA × Fail

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 36.2561, 0.2362, 0.2353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

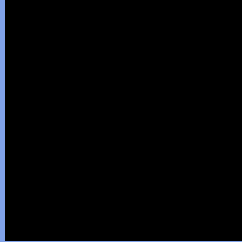
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

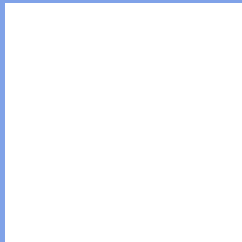
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2561, 0.2362, 0.2353

Background



This preview shows how black text looks on a background with the Yxy color 36.2561, 0.2362, 0.2353.



This preview shows how white text looks on a background with the Yxy color 36.2561, 0.2362, 0.2353.

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

36.2561, 0.2362, 0.2353

Protanopia

36.0849, 0.2444, 0.2352

Deuteranopia

36.0361, 0.2395, 0.2335



Tritanopia

36.2734, 0.2576, 0.3075

Trichromacy



Original Color

36.2561, 0.2362, 0.2353

Protanomaly

36.1454, 0.2414, 0.2348

Deuteranomaly

36.2215, 0.2384, 0.2345

Tritanomaly

36.2626, 0.2496, 0.2793

Monochromacy



Original Color

36.2561, 0.2362, 0.2353

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.3308, 0.2803, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2561, 0.2362, 0.2353 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(128, 162, 232)` looks like.

```
.text, #text, p{  
    color:rgb(128, 162, 232)  
}
```

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(128, 162, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 162, 232) }
```

Border

The CSS property to change the border of an element to Yxy 36.2561, 0.2362, 0.2353 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(128, 162, 232) }
```

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

```
.border{ border-color:rgb(128, 162, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 162, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 162, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 162, 232);  
box-shadow:4px 4px 4px 4px rgb(128, 162,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2561, 0.2362, 0.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 162, 232) }
```

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

```
.background{ background-color: rgb(128,  
162, 232) }
```

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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