

Converting Colors

$Yxy(33.0206, 0.2070, 0.2221)$

Have a look what the booklet for
Yxy(33.0206, 0.2070, 0.2221)
contains.

Yxy(33.0206, 0.2070, 0.2221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0206, 0.2070, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	49A1ED
RGB	73, 161, 237
RGB Percent	29%, 63%, 93%
CMY	0.7140, 0.3686, 0.0706
CMYK	0.69, 0.32, 0.00, 0.07
HSL	208°, 82%, 61%
HSV	208°, 69%, 93%
XYZ	30.7756, 33.0206, 84.8783
YIQ	143.3520, -76.8440, 4.9800

Conversions

Conversions Part 2

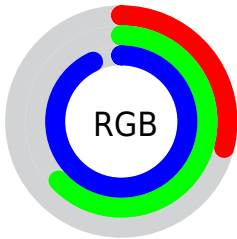
Format	Color
R _{YB}	73, 130, 237
Decimal	4825581
CIE Lab	64.18, -2.25, -45.83
CIE LCh	64, 45.885, 267.187
Yxy	33.0206, 0.2070, 0.2221
Android (android.graphics.Color)	4283015661 (0xFF49A1ED)
YUV	143.3520, 46.1685, -61.6987
Hunter-Lab	57.4636, -4.9624, -47.3516

Details

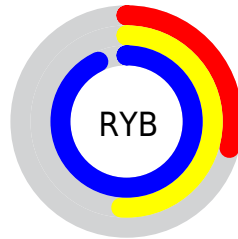
The Yxy color **33.0206, 0.2070, 0.2221** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.9629, 0.4765, 0.4063**, and the grayscale version is **27.4460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7350, 0.2429, 0.2825**, and **14.4881, 0.1876, 0.1953** is the 20% darker color. If you saturate the color by 10%, you get **28.5959, 0.1959, 0.2039**, and if you desaturate by 10%, it is **38.1369, 0.2201, 0.2403**.

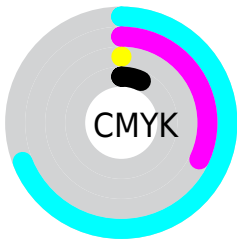
Distribution



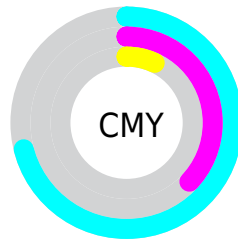
- Red (29%)
- Green (63%)
- Blue (93%)



- Red (29%)
- Yellow (51%)
- Blue (93%)



- Cyan (69%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (71%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0206, 0.2070, 0.2221 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 33.0206, 0.2070, 0.2221 by changing the saturation by 10% instead.

■ 33.0206, 0.2070,
0.2221

■ 33.0206, 0.2070,
0.2221

■ 315.7425, 0.2598,
0.2759

■ 22.1422, 0.1943,
0.2091

■ 64.4077, 0.2259,
0.2415

■ 13.9614, 0.1784,
0.1927

■ 85.6852, 0.2331,
0.2488

■ 8.0939, 0.1583,
0.1719

■ 111.1979, 0.2393,
0.2550

■ 4.1551, 0.1323,
0.1447

■ 141.3301, 0.2445,
0.2604

■ 1.7607, 0.0986,
0.1093

■ 176.4663, 0.2491,
0.2650

■ 0.4625, 0.0482,
0.0580

■ 216.9908, 0.2531,

■ 0.0000, 0.0000,

0.2691

0.0000

263.2881, 0.2567,
0.2727

■ 33.0206, 0.2070,
0.2221

■ 33.0206, 0.2070,
0.2221

■ 28.5959, 0.1959,
0.2039

■ 38.1369, 0.2201,
0.2403

■ 24.8083, 0.1870,
0.1860

■ 43.9855, 0.2346,
0.2580

■ 21.5838, 0.1804,
0.1690

■ 50.6073, 0.2502,
0.2748

■ 21.3504, 0.1799,
0.1677

■ 58.0380, 0.2663,
0.2905

■ 66.3111, 0.2825,
0.3050

■ 75.4577, 0.2984,
0.3181

■ 85.5071, 0.3139,
0.3299

■ 95.0271, 0.3237,
0.3405

■ 98.8949, 0.3232,
0.3464

Harmonies

Analogous

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



33.0206, 0.1882, 0.2477



33.0206, 0.2070, 0.2221



33.0206, 0.2520, 0.2222

Triad

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



33.0206, 0.2070, 0.2221



33.0206, 0.4438, 0.3341



33.0206, 0.2940, 0.4411

Complementary

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



33.0206, 0.2070, 0.2221



39.9629, 0.4765, 0.4063

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.



33.0206, 0.3632, 0.4611



33.0206, 0.2070, 0.2221



33.0206, 0.4540, 0.3878

Square

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



33.0206, 0.2070, 0.2221



33.0206, 0.3919, 0.2838



33.0206, 0.4224, 0.4358



33.0206, 0.2335, 0.3764

Rectangle

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



33.0206, 0.2070, 0.2221



33.0206, 0.2948, 0.2347



33.0206, 0.4224, 0.4358



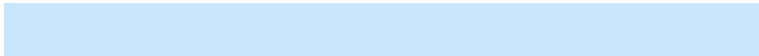
33.0206, 0.3170, 0.4536

Sweetspot

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



33.0217, 0.2070, 0.2221



76.4017, 0.2795, 0.3024



64.0870, 0.2730, 0.4570



15.7630, 0.2750, 0.2985



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.



33.0217, 0.2070, 0.2221



31.8408, 0.1920, 0.1965



13.4356, 0.1808, 0.1158



15.8882, 0.2981, 0.3178



11.9214, 0.1807, 0.1705



1.1284, 0.1873, 0.1941

Inverse Universe

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



25.3369, 0.4151, 0.2404



25.4462, 0.4467, 0.2358



74.4172, 0.4114, 0.4777



15.1893, 0.3209, 0.3164



10.6963, 0.4801, 0.2418



0.8593, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 33.0206, 0.2070, 0.2221 looks on a white background.

Color Contrast Check

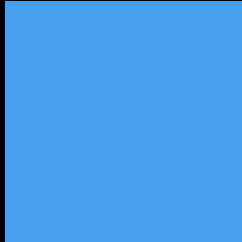
Large Text (above 18pt) WCAG AA × Fail

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 33.0206, 0.2070, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

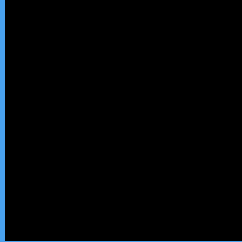
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

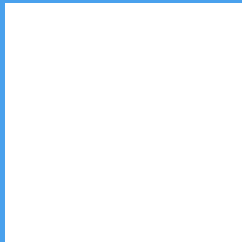
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0206, 0.2070, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 33.0206, 0.2070, 0.2221.



This preview shows how white text looks on a background with the Yxy color 33.0206, 0.2070, 0.2221.

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

33.0206, 0.2070, 0.2221

Protanopia

32.7028, 0.2354, 0.2246

Deuteranopia

32.7879, 0.2213, 0.2146



Tritanopia

32.9687, 0.2221, 0.3054

Trichromacy



Original Color

33.0206, 0.2070, 0.2221

Protanomaly

32.4570, 0.2227, 0.2226

Deuteranomaly

32.8837, 0.2155, 0.2179

Tritanomaly

32.6254, 0.2150, 0.2705

Monochromacy



Original Color

33.0206, 0.2070, 0.2221

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.8386, 0.2607, 0.2857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0206, 0.2070, 0.2221 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(73, 161, 237)` looks like.

```
.text, #text, p{  
    color:rgb(73, 161, 237)  
}
```

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(73, 161, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 161, 237) }
```

Border

The CSS property to change the border of an element to Yxy 33.0206, 0.2070, 0.2221 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(73, 161, 237) }
```

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

```
.border{ border-color:rgb(73, 161, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 161, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 161, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 161, 237);  
box-shadow:4px 4px 4px 4px rgb(73, 161,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0206, 0.2070, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 161, 237) }
```

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

```
.background{ background-color: rgb(73, 161,  
237) }
```

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