

Converting Colors

$Y_{xy}(44.3207, 0.2236, 0.2368)$

Have a look what the booklet for
Yxy(44.3207, 0.2236, 0.2368)
contains.

Yxy(44.3207, 0.2236, 0.2368)	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(44.3207, 0.2236, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	73B6FF
RGB	115, 182, 255
RGB Percent	45%, 71%, 100%
CMY	0.5491, 0.2863, 0.0000
CMYK	0.55, 0.29, 0.00, 0.00
HSL	211°, 100%, 73%
HSV	211°, 55%, 100%
XYZ	41.8501, 44.3207, 100.9943
YIQ	170.2890, -63.3650, 8.4990

Conversions

Conversions Part 2

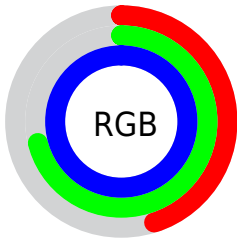
Format	Color
R _Y B	115, 160, 255
Decimal	7583487
CIE Lab	72.44, -0.83, -42.56
CIE LCh	72, 42.570, 268.879
Yxy	44.3207, 0.2236, 0.2368
Android (android.graphics.Color)	4285773567 (0xFF73B6FF)
YUV	170.2890, 41.7625, -48.4885
Hunter-Lab	66.5738, -4.2941, -43.3429

Details

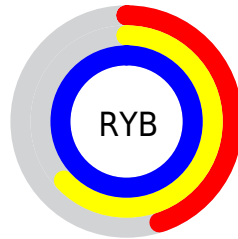
The Yxy color **44.3207, 0.2236, 0.2368** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.4491, 0.4298, 0.4032**, and the grayscale version is **40.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4830, 0.2654, 0.3101**, and **20.4307, 0.2010, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **37.6348, 0.2090, 0.2164**, and if you desaturate by 10%, it is **51.9987, 0.2395, 0.2566**.

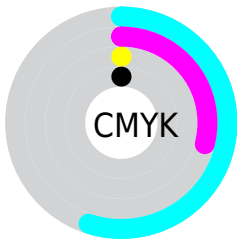
Distribution



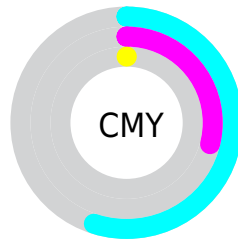
- Red (45%)
- Green (71%)
- Blue (100%)



- Red (45%)
- Yellow (63%)
- Blue (100%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3207, 0.2236, 0.2368 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 44.3207, 0.2236, 0.2368 by changing the saturation by 10% instead.

■ 44.3207, 0.2236,
0.2368

■ 44.3207, 0.2236,
0.2368

■ 364.0154, 0.2666,
0.2814

■ 30.9227, 0.2136,
0.2264

■ 81.7001, 0.2387,
0.2525

■ 20.5400, 0.2011,
0.2134

■ 106.4503, 0.2446,
0.2586

■ 12.7882, 0.1855,
0.1971

■ 135.7534, 0.2496,
0.2638

■ 7.2828, 0.1652,
0.1759

■ 169.9937, 0.2539,
0.2683

■ 3.6396, 0.1385,
0.1480

■ 209.5556, 0.2577,
0.2722

■ 1.4741, 0.1032,
0.1108

■ 254.8236, 0.2610,

■ 0.2704, 0.0388,

0.2756

0.0443

306.1821, 0.2640,
0.2787

0.0000, 0.0000,
0.0000

44.3207, 0.2236,
0.2368

44.3207, 0.2236,
0.2368

37.6348, 0.2090,
0.2164

51.9987, 0.2395,
0.2566

31.8902, 0.1961,
0.1957

60.7226, 0.2560,
0.2753

27.0236, 0.1856,
0.1756

70.5366, 0.2728,
0.2926

22.9610, 0.1776,
0.1565

81.4833, 0.2892,
0.3084

21.1561, 0.1743,
0.1474

93.6027, 0.3052,
0.3226

100.0000, 0.3127,
0.3290

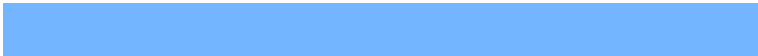
Harmonies

Analogous

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



44.3207, 0.2057, 0.2587



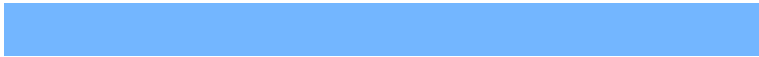
44.3207, 0.2236, 0.2368



44.3207, 0.2642, 0.2375

Triad

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



44.3207, 0.2236, 0.2368



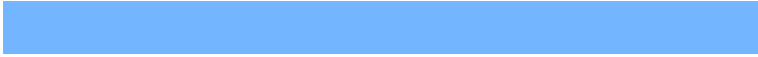
44.3207, 0.4244, 0.3375



44.3207, 0.2948, 0.4192

Complementary

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



44.3207, 0.2236, 0.2368



58.4491, 0.4298, 0.4032

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.



44.3207, 0.3539, 0.4397



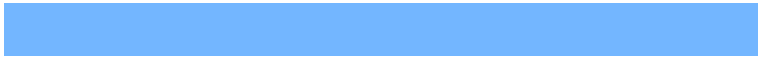
44.3207, 0.2236, 0.2368



44.3207, 0.4318, 0.3839

Square

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



44.3207, 0.2236, 0.2368



44.3207, 0.3826, 0.2930



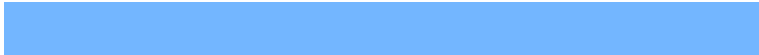
44.3207, 0.4046, 0.4229



44.3207, 0.2434, 0.3653

Rectangle

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



44.3207, 0.2236, 0.2368



44.3207, 0.3015, 0.2490



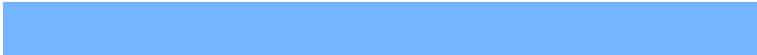
44.3207, 0.4046, 0.4229



44.3207, 0.3144, 0.4305

Sweetspot

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



44.3193, 0.2236, 0.2368



80.2389, 0.2875, 0.3068



78.7642, 0.2724, 0.4140



16.6774, 0.2841, 0.3036



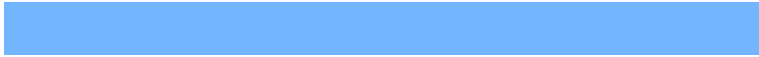
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.3193, 0.2236, 0.2368



36.9667, 0.2075, 0.2141



23.2771, 0.2072, 0.1529



18.8124, 0.2979, 0.3163



11.3495, 0.1751, 0.1503



1.3223, 0.1810, 0.1714

Inverse Universe

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



36.8917, 0.3954, 0.2614



30.8278, 0.4219, 0.2519



93.5771, 0.3905, 0.4612



18.1319, 0.3219, 0.3177



11.8737, 0.5055, 0.2558



1.1780, 0.4789, 0.2412

Previews

White Background



This preview shows how the Yxy color 44.3207, 0.2236, 0.2368 looks on a white background.

Color Contrast Check

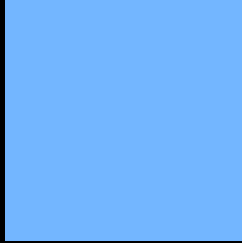
Large Text (above 18pt) WCAG AA × Fail

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 44.3207, 0.2236, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

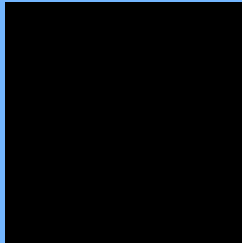
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

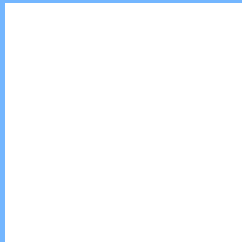
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3207, 0.2236, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 44.3207, 0.2236, 0.2368.



This preview shows how white text looks on a background with the Yxy color 44.3207, 0.2236, 0.2368.

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

44.3207, 0.2236, 0.2368

Protanopia

43.9817, 0.2459, 0.2374

Deuteranopia

43.8997, 0.2376, 0.2315



Tritanopia

44.3080, 0.2404, 0.3058

Trichromacy



Original Color

44.3207, 0.2236, 0.2368

Protanomaly

43.9848, 0.2371, 0.2373

Deuteranomaly

44.1291, 0.2321, 0.2338

Tritanomaly

44.2913, 0.2343, 0.2794

Monochromacy



Original Color

44.3207, 0.2236, 0.2368

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9732, 0.2725, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3207, 0.2236, 0.2368 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(115, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 182, 255)  
}
```

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(115, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3207, 0.2236, 0.2368 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(115, 182, 255) }
```

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

```
.border{ border-color:rgb(115, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3207, 0.2236, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 182, 255) }
```

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

```
.background{ background-color: rgb(115,  
182, 255) }
```

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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