

Converting Colors

$Y_{xy}(40.7221, 0.2283, 0.2601)$

Have a look what the booklet for
Yxy(40.7221, 0.2283, 0.2601)
contains.

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Color

Yxy(40.7221, 0.2283, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	66B3E5
RGB	102, 179, 229
RGB Percent	40%, 70%, 90%
CMY	0.5999, 0.2980, 0.1020
CMYK	0.55, 0.22, 0.00, 0.10
HSL	204°, 71%, 65%
HSV	204°, 55%, 90%
XYZ	35.7434, 40.7221, 80.0978
YIQ	161.6770, -61.9420, -0.7740

Conversions

Conversions Part 2

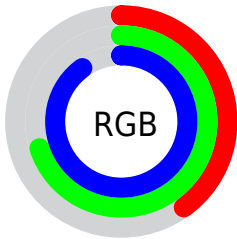
Format	Color
R_{YB}	102, 150, 229
Decimal	6730725
CIE _{Lab}	69.98, -9.70, -32.30
CIE _{LCh}	70, 33.728, 253.277
Yxy	40.7221, 0.2283, 0.2601
Android (android.graphics.Color)	4284920805 (0xFF66B3E5)
YUV	161.6770, 33.1902, -52.3367
Hunter-Lab	63.8139, -11.6930, -29.7498

Details

The Yxy color **40.7221, 0.2283, 0.2601** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.0799, 0.4421, 0.3857**, and the grayscale version is **35.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2137, 0.2578, 0.3063**, and **18.2789, 0.2056, 0.2399** is the 20% darker color. If you saturate the color by 10%, you get **36.0680, 0.2156, 0.2450**, and if you desaturate by 10%, it is **45.9850, 0.2424, 0.2747**.

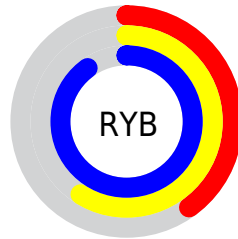
Distribution



Red (40%)

Green (70%)

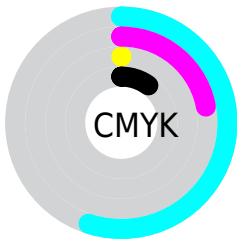
Blue (90%)



Red (40%)

Yellow (59%)

Blue (90%)

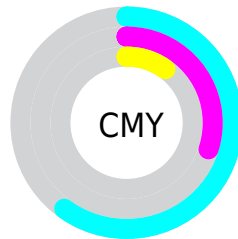


Cyan (55%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (60%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7221, 0.2283, 0.2601 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 40.7221, 0.2283, 0.2601 by changing the saturation by 10% instead.

40.7221, 0.2283,
0.2601

40.7221, 0.2283,
0.2601

349.1578, 0.2698,
0.2950

28.1020, 0.2183,
0.2514

76.2619, 0.2431,
0.2728

18.4026, 0.2058,
0.2403

99.9503, 0.2488,
0.2776

11.2394, 0.1897,
0.2258

128.0970, 0.2536,
0.2816

6.2281, 0.1685,
0.2060

161.0863, 0.2577,
0.2851

2.9843, 0.1395,
0.1782

199.3026, 0.2613,
0.2881

1.1235, 0.0995,
0.1375

243.1304, 0.2645,

0.0000, 0.0000,

0.2907

0.0000

292.9540, 0.2673,
0.2930

■ 40.7221, 0.2283,
0.2601

■ 40.7221, 0.2283,
0.2601

■ 36.0680, 0.2156,
0.2450

■ 45.9850, 0.2424,
0.2747

■ 31.9824, 0.2048,
0.2296

■ 51.8843, 0.2574,
0.2884

■ 28.4260, 0.1960,
0.2143

■ 58.4508, 0.2730,
0.3013

■ 25.3492, 0.1894,
0.1993


■ 65.7115, 0.2887,
0.3130


■ 24.0715, 0.1869,
0.1926

■ 73.6919, 0.3043,
0.3237

 82.4158, 0.3196,
0.3332

 90.4901, 0.3294,
0.3419

 95.9940, 0.3284,
0.3506

 98.4366, 0.3280,
0.3542

Harmonies

Analogous

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



40.7221, 0.2239, 0.2894



40.7221, 0.2283, 0.2601



40.7221, 0.2531, 0.2503

Triad

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



40.7221, 0.2283, 0.2601



40.7221, 0.3889, 0.3172



40.7221, 0.3243, 0.4139

Complementary

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



40.7221, 0.2283, 0.2601



40.0799, 0.4421, 0.3857

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.



40.7221, 0.3708, 0.4156



40.7221, 0.2283, 0.2601



40.7221, 0.4105, 0.3563

Square

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



40.7221, 0.2283, 0.2601



40.7221, 0.3452, 0.2826



40.7221, 0.4031, 0.3925



40.7221, 0.2768, 0.3829

Rectangle

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



40.7221, 0.2283, 0.2601



40.7221, 0.2795, 0.2541



40.7221, 0.4031, 0.3925



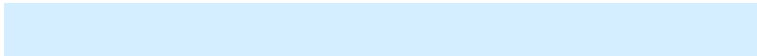
40.7221, 0.3406, 0.4178

Sweetspot

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



40.7236, 0.2283, 0.2601



82.2739, 0.2861, 0.3111



61.0849, 0.2810, 0.4394



17.2000, 0.2829, 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.



40.7236, 0.2283, 0.2601



44.9620, 0.2134, 0.2420



21.1692, 0.2095, 0.1708



15.3338, 0.2981, 0.3195



14.0051, 0.1875, 0.1949



1.2147, 0.1935, 0.2166

Inverse Universe

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



29.4200, 0.3749, 0.2440



31.2431, 0.3951, 0.2308



65.8003, 0.4006, 0.4483



14.5140, 0.3198, 0.3148



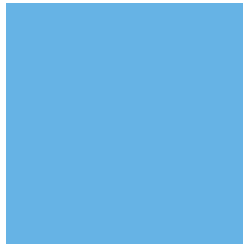
10.6115, 0.4511, 0.2259



0.8023, 0.4269, 0.2126

Previews

White Background



This preview shows how the Yxy color 40.7221, 0.2283, 0.2601 looks on a white background.

Color Contrast Check

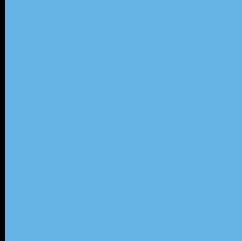
Large Text (above 18pt) WCAG AA × Fail

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 40.7221, 0.2283, 0.2601 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

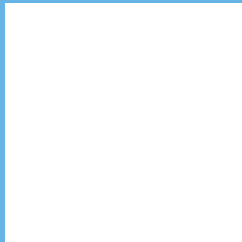
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7221, 0.2283, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 40.7221, 0.2283, 0.2601.



This preview shows how white text looks on a background with the Yxy color 40.7221, 0.2283, 0.2601.

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

40.7221, 0.2283, 0.2601

Protanopia

40.2936, 0.2628, 0.2598

Deuteranopia

40.4502, 0.2538, 0.2481



Tritanopia

40.6286, 0.2396, 0.3064

Trichromacy



Original Color

40.7221, 0.2283, 0.2601

Protanomaly

40.1211, 0.2479, 0.2593

Deuteranomaly

40.2866, 0.2433, 0.2522

Tritanomaly

40.5419, 0.2351, 0.2882

Monochromacy



Original Color

40.7221, 0.2283, 0.2601

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1259, 0.2746, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7221, 0.2283, 0.2601 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(102, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(102, 179, 229)  
}
```

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(102, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 179, 229) }
```

Border

The CSS property to change the border of an element to Yxy 40.7221, 0.2283, 0.2601 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(102, 179, 229) }
```

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

```
.border{ border-color:rgb(102, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(102, 179,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7221, 0.2283, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 179, 229) }
```

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

```
.background{ background-color: rgb(102,  
179, 229) }
```

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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