

Converting Colors

$Y_{xy}(40.6466, 0.2155, 0.2261)$

Have a look what the booklet for
Yxy(40.6466, 0.2155, 0.2261)
contains.

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Color

Yxy(40.6466, 0.2155, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	65AFFF
RGB	101, 175, 255
RGB Percent	40%, 69%, 100%
CMY	0.6040, 0.3137, 0.0001
CMYK	0.60, 0.31, 0.00, 0.00
HSL	211°, 100%, 70%
HSV	211°, 60%, 100%
XYZ	38.7410, 40.6466, 100.3851
YIQ	161.9940, -69.7840, 9.1920

Conversions

Conversions Part 2

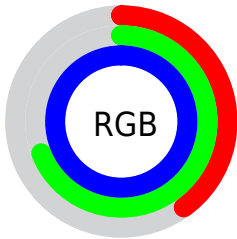
Format	Color
RYB	101, 151, 255
Decimal	6664191
CIELab	69.93, 0.34, -46.50
CIELCh	70, 46.506, 270.423
Yxy	40.6466, 0.2155, 0.2261
Android (android.graphics.Color)	4284854271 (0xFF65AFFF)
YUV	161.9940, 45.8520, -53.4917
Hunter-Lab	63.7547, -3.1038, -48.7269

Details

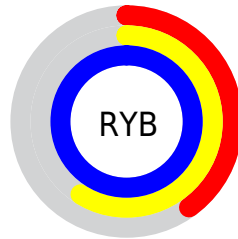
The Yxy color **40.6466, 0.2155, 0.2261** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **55.2196, 0.4448, 0.4087**, and the grayscale version is **35.9334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6002, 0.2579, 0.3005**, and **18.3816, 0.1908, 0.1999** is the 20% darker color. If you saturate the color by 10%, you get **34.4936, 0.2018, 0.2055**, and if you desaturate by 10%, it is **47.7641, 0.2308, 0.2463**.

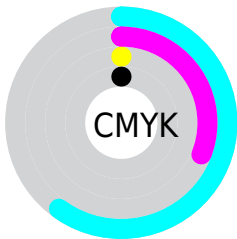
Distribution



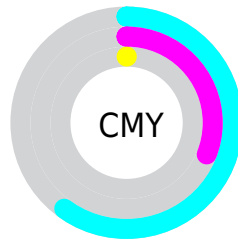
- Red (40%)
- Green (69%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6466, 0.2155, 0.2261 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 40.6466, 0.2155, 0.2261 by changing the saturation by 10% instead.


 40.6466, 0.2155,
0.2261


 40.6466, 0.2155,
0.2261


348.8414, 0.2628,
0.2761

 28.0430, 0.2044,
0.2144


 76.1471, 0.2322,
0.2437

 18.3581, 0.1908,
0.2000


 99.8129, 0.2386,
0.2505

 11.2074, 0.1735,
0.1818


 127.9349, 0.2441,
0.2563

 6.2065, 0.1514,
0.1585

160.8974, 0.2488,
0.2614

 2.9711, 0.1227,
0.1282

199.0850, 0.2530,
0.2657

 1.1166, 0.0856,
0.0892

242.8819, 0.2566,

 0.0000, 0.0001,

0.2696

0.0000

292.6726, 0.2599,
0.2730

0.0000, 0.0000,
0.0000

40.6466, 0.2155,
0.2261

40.6466, 0.2155,
0.2261

34.4936, 0.2018,
0.2055

47.7641, 0.2308,
0.2463

29.2426, 0.1902,
0.1852

55.8939, 0.2470,
0.2655

24.8275, 0.1810,
0.1656

65.0850, 0.2636,
0.2835

21.2776, 0.1745,
0.1480

75.3815, 0.2803,
0.3001

86.8244, 0.2965,
0.3151

99.4527, 0.3121,
0.3285

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



40.6466, 0.1946, 0.2481



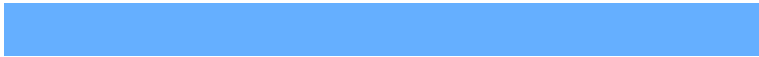
40.6466, 0.2155, 0.2261



40.6466, 0.2612, 0.2284

Triad

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



40.6466, 0.2155, 0.2261



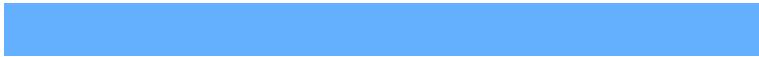
40.6466, 0.4398, 0.3400



40.6466, 0.2885, 0.4294

Complementary

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



40.6466, 0.2155, 0.2261



55.2196, 0.4448, 0.4087

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.



40.6466, 0.3543, 0.4540



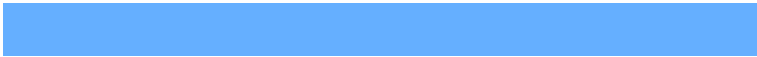
40.6466, 0.2155, 0.2261



40.6466, 0.4452, 0.3911

Square

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



40.6466, 0.2155, 0.2261



40.6466, 0.3944, 0.2910



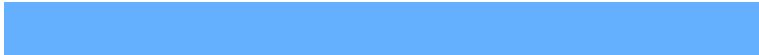
40.6466, 0.4122, 0.4349



40.6466, 0.2326, 0.3660

Rectangle

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



40.6466, 0.2155, 0.2261



40.6466, 0.3032, 0.2418



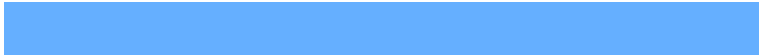
40.6466, 0.4122, 0.4349



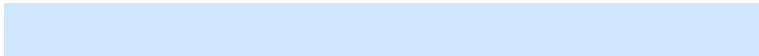
40.6466, 0.3102, 0.4429

Sweetspot

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



40.6480, 0.2155, 0.2261



78.0343, 0.2842, 0.3038



77.5842, 0.2702, 0.4243



16.0190, 0.2794, 0.2993



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.



40.6480, 0.2155, 0.2261



33.5990, 0.1998, 0.2022



19.4393, 0.1960, 0.1344



18.8187, 0.2979, 0.3163



11.4163, 0.1753, 0.1510



1.3289, 0.1811, 0.1720

Inverse Universe

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



33.6547, 0.4077, 0.2559



28.3437, 0.4367, 0.2484



93.2108, 0.3964, 0.4713



18.1326, 0.3218, 0.3176



11.8804, 0.5046, 0.2554



1.1787, 0.4781, 0.2408

Previews

White Background



This preview shows how the Yxy color 40.6466, 0.2155, 0.2261 looks on a white background.

Color Contrast Check

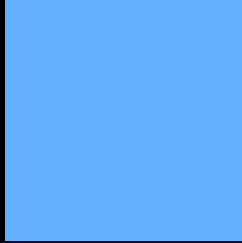
Large Text (above 18pt) WCAG AA × Fail

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 40.6466, 0.2155, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

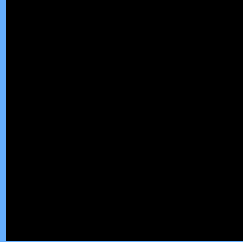
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

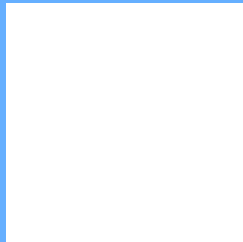
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6466, 0.2155, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 40.6466, 0.2155, 0.2261.



This preview shows how white text looks on a background with the Yxy color 40.6466, 0.2155, 0.2261.

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

40.6466, 0.2155, 0.2261

Protanopia

40.2544, 0.2382, 0.2278

Deuteranopia

40.3418, 0.2277, 0.2217



Tritanopia

40.8714, 0.2329, 0.3062

Trichromacy



Original Color

40.6466, 0.2155, 0.2261

Protanomaly

40.3037, 0.2287, 0.2266

Deuteranomaly

40.2678, 0.2225, 0.2228

Tritanomaly

40.6076, 0.2256, 0.2732

Monochromacy



Original Color

40.6466, 0.2155, 0.2261

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1984, 0.2674, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6466, 0.2155, 0.2261 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(101, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 175, 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(101, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6466, 0.2155, 0.2261 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(101, 175, 255) }
```

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

```
.border{ border-color:rgb(101, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6466, 0.2155, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 175, 255) }
```

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

```
.background{ background-color: rgb(101,  
175, 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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