

Converting Colors

$Y_{xy}(28.4618, 0.2052, 0.1784)$

Have a look what the booklet for
Yxy(28.4618, 0.2052, 0.1784)
contains.

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Color

Yxy(28.5100, 0.2052, 0.1786)

Conversions

Conversions Part 1

Format	Color
Hex	668BFF
RGB	102, 139, 255
RGB Percent	40%, 55%, 100%
CMY	0.6001, 0.4548, 0.0001
CMYK	0.60, 0.45, 0.00, 0.00
HSL	225°, 100%, 70%
HSV	225°, 60%, 100%
XYZ	32.7562, 28.5100, 98.3643
YIQ	141.1610, -59.2880, 28.2320

Conversions

Conversions Part 2

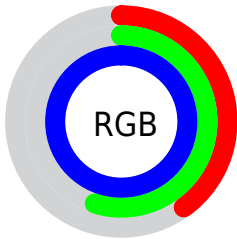
Format	Color
RYB	102, 132, 255
Decimal	6720511
CIELab	60.35, 21.47, -61.71
CIElCh	60, 65.337, 289.187
Yxy	28.5100, 0.2052, 0.1786
Android (android.graphics.Color)	4284910591 (0xFF668BFF)
YUV	141.1610, 56.1226, -34.3442
Hunter-Lab	53.3948, 16.0639, -71.8482

Details

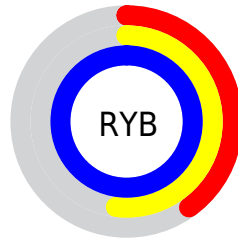
The Yxy color **28.5100, 0.2052, 0.1786** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.3248, 0.4190, 0.4412**, and the grayscale version is **26.4946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8118, 0.2521, 0.2550**, and **11.4923, 0.1757, 0.1440** is the 20% darker color. If you saturate the color by 10%, you get **22.1327, 0.1884, 0.1503**, and if you desaturate by 10%, it is **36.3362, 0.2237, 0.2076**.

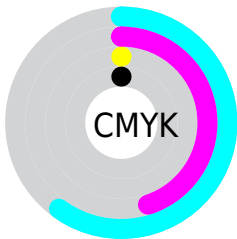
Distribution



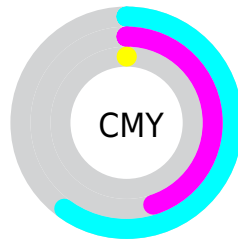
- Red (40%)
- Green (55%)
- Blue (100%)



- Red (40%)
- Yellow (52%)
- Blue (100%)



- Cyan (60%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5100, 0.2052, 0.1786 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 28.5100, 0.2052, 0.1786 by changing the saturation by 10% instead.


 28.5100, 0.2052,
0.1786


 28.5100, 0.2052,
0.1786


294.8959, 0.2601,
0.2505


 18.7105, 0.1919,
0.1625


 57.2977, 0.2250,
0.2035

 11.4613, 0.1754,
0.1431


 77.0546, 0.2325,
0.2132

 6.3780, 0.1546,
0.1197


 100.8994, 0.2389,
0.2216

 3.0763, 0.1281,
0.0917

129.2165, 0.2443,
0.2289

 1.1717, 0.0947,
0.0592

162.3903, 0.2491,
0.2353

 0.0384, 0.0535,
0.0037

200.8052, 0.2532,

 0.0000, 0.0000,

0.2410

0.0000

244.8456, 0.2569,
0.2460

■ 28.5100, 0.2052,
0.1786

■ 28.5100, 0.2052,
0.1786

■ 22.1327, 0.1884,
0.1503

■ 36.3362, 0.2237,
0.2076

■ 17.1059, 0.1743,
0.1242

■ 45.6949, 0.2429,
0.2360

■ 13.3219, 0.1637,
0.1019

■ 56.6662, 0.2618,
0.2627

■ 10.6340, 0.1568,
0.0844

■ 69.3236, 0.2800,
0.2873

■ 83.7360, 0.2971,
0.3094

99.9681, 0.3127,
0.3290

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



28.5100, 0.1561, 0.1841



28.5100, 0.2052, 0.1786



28.5100, 0.2907, 0.2010

Triad

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



28.5100, 0.2052, 0.1786



28.5100, 0.5200, 0.3794



28.5100, 0.2148, 0.4333

Complementary

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



28.5100, 0.2052, 0.1786



72.3248, 0.4190, 0.4412

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.



28.5100, 0.3039, 0.5211



28.5100, 0.2052, 0.1786



28.5100, 0.4806, 0.4531

Square

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



28.5100, 0.2052, 0.1786



28.5100, 0.4928, 0.3096



28.5100, 0.4003, 0.5156



28.5100, 0.1582, 0.3103

Rectangle

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



28.5100, 0.2052, 0.1786



28.5100, 0.3636, 0.2295



28.5100, 0.4003, 0.5156



28.5100, 0.2420, 0.4713

Sweetspot

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



28.5109, 0.2052, 0.1786



72.0875, 0.2836, 0.2919



79.3241, 0.2546, 0.3760



14.5811, 0.2784, 0.2852



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.



28.5109, 0.2052, 0.1786



21.0302, 0.1853, 0.1449



22.3111, 0.2198, 0.1457



18.0917, 0.2979, 0.3104



5.7500, 0.1575, 0.0869



0.7213, 0.1632, 0.1075

Inverse Universe

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



32.6177, 0.4549, 0.2930



27.0749, 0.5019, 0.2912



87.1739, 0.3710, 0.4850



18.0592, 0.3256, 0.3233



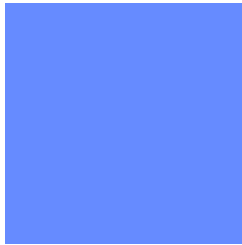
11.3084, 0.5960, 0.3057



1.1174, 0.5647, 0.2885

Previews

White Background



This preview shows how the Yxy color 28.5100, 0.2052, 0.1786 looks on a white background.

Color Contrast Check

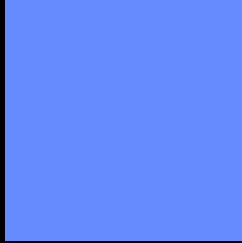
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5100, 0.2052, 0.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

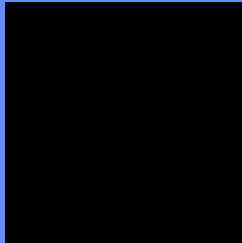
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

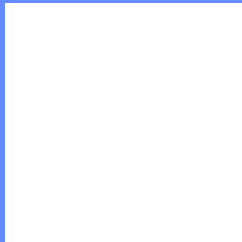
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5100, 0.2052, 0.1786

Background



This preview shows how black text looks on a background with the Yxy color 28.5100, 0.2052, 0.1786.



This preview shows how white text looks on a background with the Yxy color 28.5100, 0.2052, 0.1786.

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

28.5100, 0.2052, 0.1786

Protanopia

28.5451, 0.2012, 0.1796

Deuteranopia

28.7436, 0.1911, 0.1850



Tritanopia

28.4840, 0.2331, 0.3061

Trichromacy



Original Color

28.5100, 0.2052, 0.1786

Protanomaly

28.4630, 0.2027, 0.1789

Deuteranomaly

28.4419, 0.1946, 0.1817

Tritanomaly

28.0172, 0.2204, 0.2482

Monochromacy



Original Color

28.5100, 0.2052, 0.1786

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6456, 0.2625, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5100, 0.2052, 0.1786 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 139, 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(102, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.5100, 0.2052, 0.1786 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, 139, 255) }
```

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

```
.border{ border-color:rgb(102, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5100, 0.2052, 0.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 139, 255) }
```

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

```
.background{ background-color: rgb(102,  
139, 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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