

Converting Colors

$Y_{xy}(29.5514, 0.2062, 0.1831)$

Have a look what the booklet for
Yxy(29.5514, 0.2062, 0.1831)
contains.

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Color

Yxy(29.6897, 0.2064, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	668FFF
RGB	102, 143, 255
RGB Percent	40%, 56%, 100%
CMY	0.5996, 0.4393, 0.0000
CMYK	0.60, 0.44, 0.00, 0.00
HSL	224°, 100%, 70%
HSV	224°, 60%, 100%
XYZ	33.3585, 29.6897, 98.5724
YIQ	143.5090, -60.3880, 26.1400

Conversions

Conversions Part 2

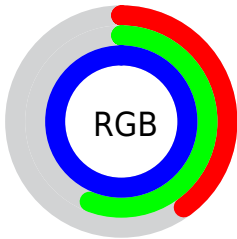
Format	Color
RYB	102, 134, 255
Decimal	6721535
CIELab	61.39, 19.13, -60.05
CIElCh	61, 63.027, 287.670
Yxy	29.6897, 0.2064, 0.1837
Android (android.graphics.Color)	4284911615 (0xFF668FFF)
YUV	143.5090, 54.9651, -36.4034
Hunter-Lab	54.4883, 13.9258, -69.1172

Details

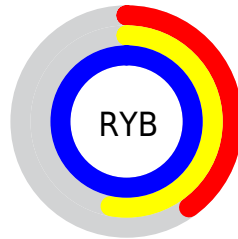
The Yxy color **29.6897, 0.2064, 0.1837** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.3664, 0.4214, 0.4379**, and the grayscale version is **27.4847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5924, 0.2528, 0.2599**, and **12.0653, 0.1769, 0.1481** is the 20% darker color. If you saturate the color by 10%, you get **23.2726, 0.1898, 0.1560**, and if you desaturate by 10%, it is **37.5007, 0.2246, 0.2119**.

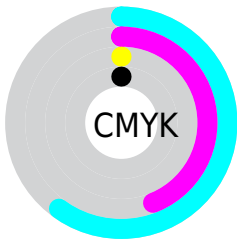
Distribution



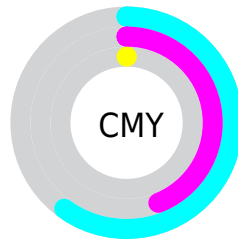
- Red (40%)
- Green (56%)
- Blue (100%)



- Red (40%)
- Yellow (53%)
- Blue (100%)



- Cyan (60%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6897, 0.2064, 0.1837 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 29.6897, 0.2064, 0.1837 by changing the saturation by 10% instead.


 29.6897, 0.2064,
0.1837


 29.6897, 0.2064,
0.1837


300.4554, 0.2604,
0.2533

 19.6032, 0.1934,
0.1680


 59.1711, 0.2258,
0.2078

 12.1069, 0.1772,
0.1491


 79.3348, 0.2332,
0.2173

 6.8165, 0.1568,
0.1261


 103.6263, 0.2395,
0.2254

 3.3476, 0.1307,
0.0982

132.4301, 0.2449,
0.2325

 1.3158, 0.0977,
0.0655

166.1305, 0.2495,
0.2386

 0.1534, 0.0573,
0.0143

205.1119, 0.2536,

 0.0000, 0.0000,

0.2441

0.0000

249.7587, 0.2572,
0.2490

■ 29.6897, 0.2064,
0.1837

■ 29.6897, 0.2064,
0.1837

■ 23.2726, 0.1898,
0.1560

■ 37.5007, 0.2246,
0.2119

■ 18.1568, 0.1759,
0.1302

■ 46.7837, 0.2435,
0.2393

■ 14.2413, 0.1653,
0.1076

■ 57.6142, 0.2622,
0.2651

■ 11.3864, 0.1582,
0.0895

■ 70.0612, 0.2802,
0.2888

■ 11.3766, 0.1582,
0.0894

■ 84.1896, 0.2971,
0.3101

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



29.6897, 0.1603, 0.1909



29.6897, 0.2064, 0.1837



29.6897, 0.2871, 0.2041

Triad

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



29.6897, 0.2064, 0.1837



29.6897, 0.5115, 0.3757



29.6897, 0.2234, 0.4335

Complementary

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



29.6897, 0.2064, 0.1837



70.3664, 0.4214, 0.4379

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.



29.6897, 0.3103, 0.5127



29.6897, 0.2064, 0.1837



29.6897, 0.4777, 0.4464

Square

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



29.6897, 0.2064, 0.1837



29.6897, 0.4811, 0.3081



29.6897, 0.4027, 0.5058



29.6897, 0.1663, 0.3173

Rectangle

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



29.6897, 0.2064, 0.1837



29.6897, 0.3561, 0.2311



29.6897, 0.4027, 0.5058



29.6897, 0.2501, 0.4682

Sweetspot

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



29.6906, 0.2064, 0.1837



72.7007, 0.2836, 0.2932



79.0821, 0.2568, 0.3826



14.7286, 0.2785, 0.2867



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.



29.6906, 0.2064, 0.1837



22.1277, 0.1867, 0.1505



21.9115, 0.2163, 0.1443



18.1678, 0.2979, 0.3111



6.1528, 0.1589, 0.0921



0.7697, 0.1648, 0.1133

Inverse Universe

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



32.7635, 0.4496, 0.2891



27.1857, 0.4950, 0.2867



87.9841, 0.3745, 0.4829



18.0668, 0.3252, 0.3227



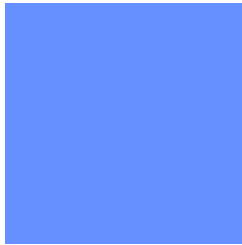
11.3491, 0.5880, 0.3013



1.1222, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 29.6897, 0.2064, 0.1837 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 29.6897, 0.2064, 0.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

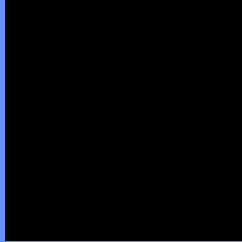
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

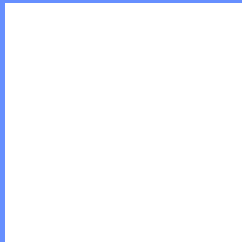
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6897, 0.2064, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 29.6897, 0.2064, 0.1837.



This preview shows how white text looks on a background with the Yxy color 29.6897, 0.2064, 0.1837.

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

29.6897, 0.2064, 0.1837

Protanopia

29.7632, 0.2048, 0.1844

Deuteranopia

29.8089, 0.1947, 0.1880



Tritanopia

29.7040, 0.2335, 0.3065

Trichromacy



Original Color

29.6897, 0.2064, 0.1837

Protanomaly

29.8192, 0.2052, 0.1845

Deuteranomaly

29.6855, 0.1983, 0.1866

Tritanomaly

29.0853, 0.2215, 0.2520

Monochromacy



Original Color

29.6897, 0.2064, 0.1837

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0743, 0.2635, 0.2672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6897, 0.2064, 0.1837 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 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, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.6897, 0.2064, 0.1837 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, 143, 255) }
```

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

```
.border{ border-color:rgb(102, 143, 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, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6897, 0.2064, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 143, 255) }
```

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

```
.background{ background-color: rgb(102,  
143, 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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