

Converting Colors

$Yxy(27.7447, 0.1886, 0.1784)$

Have a look what the booklet for
Yxy(27.7447, 0.1886, 0.1784)
contains.

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Color

Yxy(27.8703, 0.1888, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	3390FF
RGB	51, 144, 255
RGB Percent	20%, 56%, 100%
CMY	0.7991, 0.4354, 0.0000
CMYK	0.80, 0.44, 0.00, 0.00
HSL	213°, 100%, 60%
HSV	213°, 80%, 100%
XYZ	29.3962, 27.8703, 98.4335
YIQ	128.8470, -91.0590, 14.8050

Conversions

Conversions Part 2

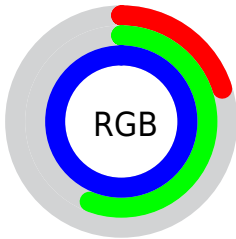
Format	Color
R _Y B	51, 115, 255
Decimal	3379455
CIE Lab	59.77, 11.53, -62.75
CIE LCh	60, 63.796, 280.414
Yxy	27.8703, 0.1888, 0.1790
Android (android.graphics.Color)	4281569535 (0xFF3390FF)
YUV	128.8470, 62.1934, -68.2718
Hunter-Lab	52.7923, 7.0069, -73.5941

Details

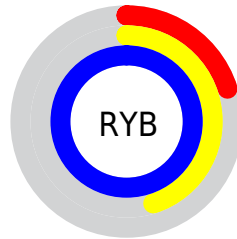
The Yxy color **27.8703, 0.1888, 0.1790** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **47.4305, 0.4908, 0.4248**, and the grayscale version is **21.7219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7417, 0.2337, 0.2577**, and **12.2156, 0.1753, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.4251, 0.1793, 0.1587**, and if you desaturate by 10%, it is **33.1981, 0.2009, 0.2003**.

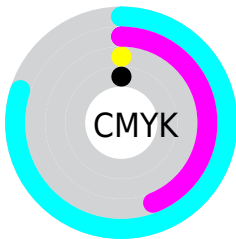
Distribution



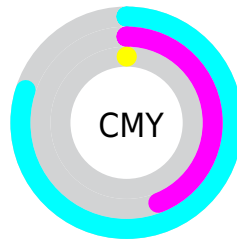
- Red (20%)
- Green (56%)
- Blue (100%)



- Red (20%)
- Yellow (45%)
- Blue (100%)



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8703, 0.1888, 0.1790 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 27.8703, 0.1888, 0.1790 by changing the saturation by 10% instead.


 27.8703, 0.1888,
0.1790


 27.8703, 0.1888,
0.1790


291.8466, 0.2511,
0.2518


 18.2279, 0.1741,
0.1625


 56.2773, 0.2110,
0.2043

 11.1137, 0.1561,
0.1427


 75.8107, 0.2195,
0.2142

 6.1434, 0.1338,
0.1187


 99.4099, 0.2267,
0.2227

 2.9325, 0.1061,
0.0899

 127.4593, 0.2329,
0.2301

 1.0966, 0.0728,
0.0569

160.3433, 0.2384,
0.2365

 0.0000, 0.0253,
0.0000

198.4462, 0.2431,

 0.0000, 0.0000,

0.2422

0.0000

242.1525, 0.2473,
0.2473

■ 27.8703, 0.1888,
0.1790

■ 27.8703, 0.1888,
0.1790

■ 23.4251, 0.1793,
0.1587

■ 33.1981, 0.2009,
0.2003

■ 19.7575, 0.1722,
0.1399

■ 39.4757, 0.2150,
0.2218

■ 19.7255, 0.1722,
0.1397

■ 46.7643, 0.2307,
0.2430

■ 55.1181, 0.2473,
0.2632

■ 64.5866, 0.2642,
0.2821

■ 75.2159, 0.2810,
0.2994

■ 87.0488, 0.2973,
0.3151

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



27.8703, 0.1502, 0.1936



27.8703, 0.1888, 0.1790



27.8703, 0.2629, 0.1934

Triad

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



27.8703, 0.1888, 0.1790



27.8703, 0.5167, 0.3586



27.8703, 0.2398, 0.4644

Complementary

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



27.8703, 0.1888, 0.1790



47.4305, 0.4908, 0.4248

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.



27.8703, 0.3327, 0.5255



27.8703, 0.1888, 0.1790



27.8703, 0.4953, 0.4308

Square

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



27.8703, 0.1888, 0.1790



27.8703, 0.4687, 0.2911



27.8703, 0.4253, 0.4985



27.8703, 0.1725, 0.3443

Rectangle

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



27.8703, 0.1888, 0.1790



27.8703, 0.3306, 0.2172



27.8703, 0.4253, 0.4985



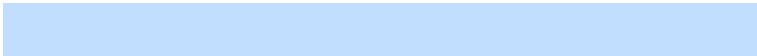
27.8703, 0.2692, 0.4951

Sweetspot

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



27.8711, 0.1888, 0.1790



70.7229, 0.2741, 0.2925



74.7622, 0.2657, 0.4570



14.3350, 0.2681, 0.2863



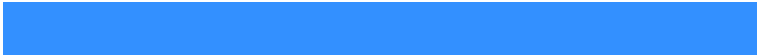
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.8711, 0.1888, 0.1790



21.1128, 0.1748, 0.1471



10.5090, 0.1652, 0.0827



18.7397, 0.2979, 0.3157



10.5971, 0.1730, 0.1427



1.2469, 0.1790, 0.1643

Inverse Universe

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



25.6610, 0.4655, 0.2517



22.8773, 0.5092, 0.2598



91.7521, 0.4088, 0.4992



18.1246, 0.3222, 0.3182



11.7977, 0.5155, 0.2613



1.1704, 0.4877, 0.2460

Previews

White Background



This preview shows how the Yxy color 27.8703, 0.1888, 0.1790 looks on a white background.

Color Contrast Check

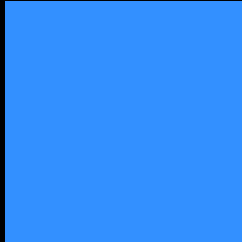
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8703, 0.1888, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

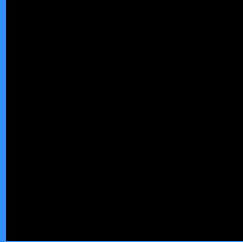
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

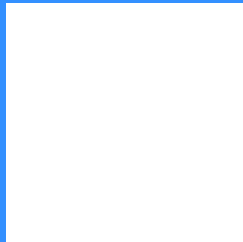
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8703, 0.1888, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 27.8703, 0.1888, 0.1790.



This preview shows how white text looks on a background with the Yxy color 27.8703, 0.1888, 0.1790.

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

27.8703, 0.1888, 0.1790

Protanopia

27.6427, 0.2024, 0.1810

Deuteranopia

27.8459, 0.1862, 0.1794

Trichromacy



Original Color

27.8703, 0.1888, 0.1790

Protanomaly

27.6558, 0.1963, 0.1800

Deuteranomaly

27.9630, 0.1873, 0.1798

Monochromacy



Original Color

27.8703, 0.1888, 0.1790

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.9120, 0.2447, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8703, 0.1888, 0.1790 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(51, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 144, 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(51, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8703, 0.1888, 0.1790 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(51, 144, 255) }
```

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

```
.border{ border-color:rgb(51, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 144,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 27.8703, 0.1888, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 144, 255) }
```

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

```
.background{ background-color: rgb(51, 144,  
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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