

Converting Colors

$Y_{xy}(29.7643, 0.1973, 0.1995)$

Have a look what the booklet for
Yxy(29.7643, 0.1973, 0.1995)
contains.

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Color

Yxy(29.6890, 0.1974, 0.1995)

Conversions

Conversions Part 1

Format	Color
Hex	3E97F4
RGB	62, 151, 244
RGB Percent	24%, 59%, 96%
CMY	0.7571, 0.4078, 0.0432
CMYK	0.75, 0.38, 0.00, 0.04
HSL	211°, 89%, 60%
HSV	211°, 75%, 96%
XYZ	29.3765, 29.6890, 89.7516
YIQ	134.9910, -82.8970, 10.0550

Conversions

Conversions Part 2

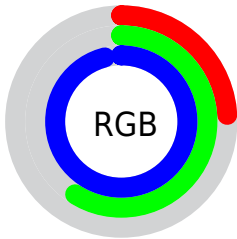
Format	Color
R _{YB}	62, 122, 244
Decimal	4102132
CIE _{Lab}	61.38, 4.50, -54.10
CIE _{LCh}	61, 54.289, 274.756
Yxy	29.6890, 0.1974, 0.1995
Android (android.graphics.Color)	4282292212 (0xFF3E97F4)
YUV	134.9910, 53.7414, -64.0131
Hunter-Lab	54.4876, 0.8833, -59.5207

Details

The Yxy color **29.6890, 0.1974, 0.1995** 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 **42.9903, 0.4838, 0.4170**, and the grayscale version is **24.0410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7882, 0.2375, 0.2683**, and **12.8952, 0.1809, 0.1712** is the 20% darker color. If you saturate the color by 10%, you get **25.2696, 0.1869, 0.1797**, and if you desaturate by 10%, it is **34.8878, 0.2102, 0.2197**.

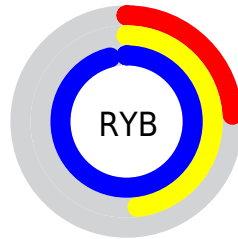
Distribution



Red (24%)

Green (59%)

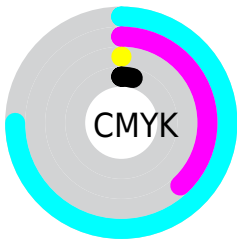
Blue (96%)



Red (24%)

Yellow (48%)

Blue (96%)

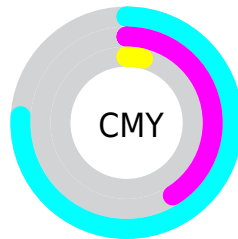


Cyan (75%)

Magenta (38%)

Yellow (0%)

Black (4%)



Cyan (76%)


Magenta (41%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6890, 0.1974, 0.1995 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 29.6890, 0.1974, 0.1995 by changing the saturation by 10% instead.


 29.6890, 0.1974,
0.1995


 29.6890, 0.1974,
0.1995


300.4521, 0.2554,
0.2637

 19.6026, 0.1835,
0.1844


 59.1700, 0.2182,
0.2223


 12.1065, 0.1663,
0.1658


 79.3334, 0.2261,
0.2311

 6.8163, 0.1446,
0.1425


 103.6247, 0.2328,
0.2385

 3.3475, 0.1172,
0.1135

 132.4282, 0.2386,
0.2450

 1.3157, 0.0829,
0.0780

166.1283, 0.2437,
0.2506

 0.1533, 0.0301,
0.0180

205.1093, 0.2481,

 0.0000, 0.0000,

0.2555

0.0000

249.7558, 0.2519,
0.2599

■ 29.6890, 0.1974,
0.1995

■ 29.6890, 0.1974,
0.1995

■ 25.2696, 0.1869,
0.1797

■ 34.8878, 0.2102,
0.2197

■ 21.5622, 0.1789,
0.1609

■ 40.9176, 0.2247,
0.2397

■ 19.8132, 0.1754,
0.1513

■ 47.8277, 0.2404,
0.2590

■ 55.6616, 0.2568,
0.2771

■ 64.4595, 0.2734,
0.2940

■ 74.2588, 0.2898,
0.3093

■ 85.0948, 0.3056,
0.3231

■ 96.5942, 0.3194,
0.3355

■ 99.3103, 0.3191,
0.3396

Harmonies

Analogous

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



29.6890, 0.1682, 0.2196



29.6890, 0.1974, 0.1995



29.6890, 0.2570, 0.2072

Triad

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



29.6890, 0.1974, 0.1995



29.6890, 0.4812, 0.3474



29.6890, 0.2674, 0.4537

Complementary

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



29.6890, 0.1974, 0.1995



42.9903, 0.4838, 0.4170

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.



29.6890, 0.3494, 0.4924



29.6890, 0.1974, 0.1995



29.6890, 0.4769, 0.4103

Square

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



29.6890, 0.1974, 0.1995



29.6890, 0.4294, 0.2878



29.6890, 0.4261, 0.4670



29.6890, 0.2024, 0.3621

Rectangle

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



29.6890, 0.1974, 0.1995



29.6890, 0.3118, 0.2256



29.6890, 0.4261, 0.4670



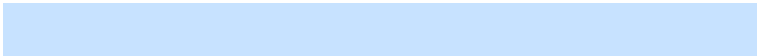
29.6890, 0.2940, 0.4745

Sweetspot

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



29.6899, 0.1974, 0.1995



73.9311, 0.2776, 0.2981



68.0089, 0.2686, 0.4558



15.2188, 0.2732, 0.2937



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.



29.6899, 0.1974, 0.1995



25.5500, 0.1821, 0.1690



10.9924, 0.1702, 0.0934



17.2655, 0.2980, 0.3166



11.0474, 0.1762, 0.1541



1.1761, 0.1825, 0.1771

Inverse Universe

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



24.9035, 0.4406, 0.2460



23.8057, 0.4804, 0.2477



84.2641, 0.4103, 0.4903



16.6177, 0.3217, 0.3175



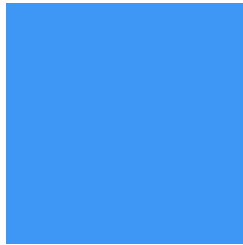
11.2146, 0.5006, 0.2531



1.0064, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 29.6890, 0.1974, 0.1995 looks on a white background.

Color Contrast Check

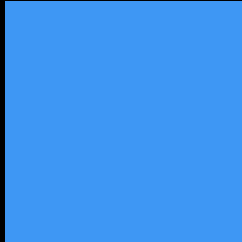
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6890, 0.1974, 0.1995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

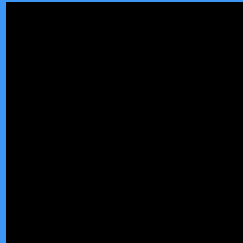
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

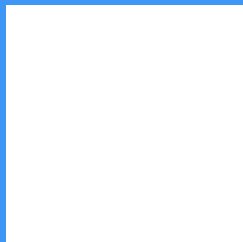
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6890, 0.1974, 0.1995

Background



This preview shows how black text looks on a background with the Yxy color 29.6890, 0.1974, 0.1995.



This preview shows how white text looks on a background with the Yxy color 29.6890, 0.1974, 0.1995.

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

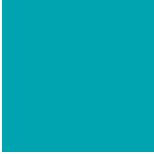
29.6890, 0.1974, 0.1995

Protanopia

29.4991, 0.2184, 0.2016

Deuteranopia

29.6114, 0.2033, 0.1964



Tritanopia

29.6855, 0.2188, 0.3077

Trichromacy



Original Color

29.6890, 0.1974, 0.1995

Protanomaly

29.4859, 0.2091, 0.2010

Deuteranomaly

29.5833, 0.2006, 0.1969

Tritanomaly

29.1955, 0.2077, 0.2603

Monochromacy



Original Color

29.6890, 0.1974, 0.1995

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3330, 0.2521, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6890, 0.1974, 0.1995 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(62, 151, 244)` looks like.

```
.text, #text, p{  
    color:rgb(62, 151, 244)  
}
```

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(62, 151, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 151, 244) }
```

Border

The CSS property to change the border of an element to Yxy 29.6890, 0.1974, 0.1995 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(62, 151, 244) }
```

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

```
.border{ border-color:rgb(62, 151, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 151, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 151, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 151, 244);  
box-shadow:4px 4px 4px 4px rgb(62, 151,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6890, 0.1974, 0.1995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 151, 244) }
```

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

```
.background{ background-color: rgb(62, 151,  
244) }
```

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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