

Converting Colors

$Y_{xy}(33.1247, 0.2015, 0.1998)$

Have a look what the booklet for
Yxy(33.1247, 0.2015, 0.1998)
contains.

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Color

Yxy(32.9962, 0.2013, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	4F9DFF
RGB	79, 157, 255
RGB Percent	31%, 62%, 100%
CMY	0.6906, 0.3843, 0.0000
CMYK	0.69, 0.38, 0.00, 0.00
HSL	213°, 100%, 65%
HSV	213°, 69%, 100%
XYZ	33.3273, 32.9962, 99.2369
YIQ	144.8500, -77.9460, 13.9420

Conversions

Conversions Part 2

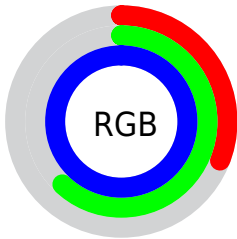
Format	Color
R_{YB}	79, 133, 255
Decimal	5217791
CIE _{Lab}	64.16, 7.07, -55.71
CIE _{LCh}	64, 56.154, 277.235
Yxy	32.9962, 0.2013, 0.1993
Android (android.graphics.Color)	4283407871 (0xFF4F9DFF)
YUV	144.8500, 54.3040, -57.7504
Hunter-Lab	57.4423, 3.0394, -62.2194

Details

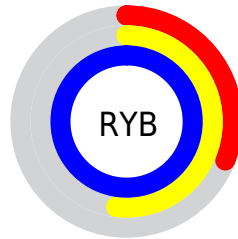
The Yxy color **32.9962, 0.2013, 0.1993** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.2246, 0.4625, 0.4219**, and the grayscale version is **28.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8283, 0.2452, 0.2767**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **27.5794, 0.1889, 0.1776**, and if you desaturate by 10%, it is **39.3890, 0.2158, 0.2213**.

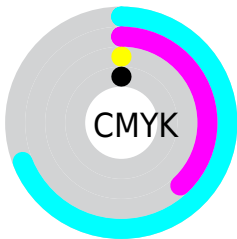
Distribution



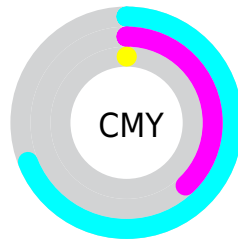
- Red (31%)
- Green (62%)
- Blue (100%)



- Red (31%)
- Yellow (52%)
- Blue (100%)



- Cyan (69%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9962, 0.2013, 0.1993 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 32.9962, 0.2013, 0.1993 by changing the saturation by 10% instead.

 32.9962, 0.2013,
0.1993


 32.9962, 0.2013,
0.1993


315.6326, 0.2566,
0.2623


 22.1235, 0.1883,
0.1848


 64.3696, 0.2209,
0.2214


 13.9477, 0.1722,
0.1671


 85.6391, 0.2285,
0.2299

 8.0843, 0.1520,
0.1452


 111.1430, 0.2349,
0.2373

 4.1489, 0.1265,
0.1181

 141.2658, 0.2404,
0.2436

 1.7572, 0.0945,
0.0848

176.3917, 0.2453,
0.2492

 0.4603, 0.0547,
0.0413

216.9052, 0.2495,

 0.0000, 0.0000,

0.2541

0.0000

263.1907, 0.2532,
0.2584

■ 32.9962, 0.2013,
0.1993

■ 32.9962, 0.2013,
0.1993

■ 27.5794, 0.1889,
0.1776

■ 39.3890, 0.2158,
0.2213

■ 23.0694, 0.1790,
0.1569

■ 46.8196, 0.2317,
0.2429

■ 19.3704, 0.1718,
0.1378

■ 55.3426, 0.2485,
0.2634

■ 19.0539, 0.1711,
0.1361

■ 65.0084, 0.2655,
0.2826

■ 75.8635, 0.2823,
0.3002

■ 87.9519, 0.2986,
0.3161

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.9962, 0.1696, 0.2169



32.9962, 0.2013, 0.1993



32.9962, 0.2633, 0.2090

Triad

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



32.9962, 0.2013, 0.1993



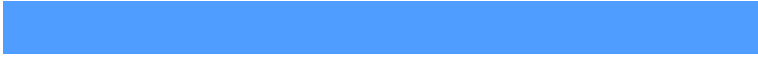
32.9962, 0.4828, 0.3526



32.9962, 0.2612, 0.4473

Complementary

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



32.9962, 0.2013, 0.1993



53.2246, 0.4625, 0.4219

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.



32.9962, 0.3426, 0.4917



32.9962, 0.2013, 0.1993



32.9962, 0.4741, 0.4154

Square

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



32.9962, 0.2013, 0.1993



32.9962, 0.4354, 0.2925



32.9962, 0.4204, 0.4706



32.9962, 0.1985, 0.3539

Rectangle

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



32.9962, 0.2013, 0.1993



32.9962, 0.3192, 0.2287



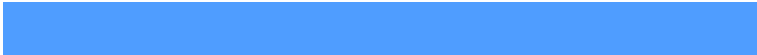
32.9962, 0.4204, 0.4706



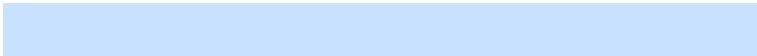
32.9962, 0.2873, 0.4698

Sweetspot

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



32.9959, 0.2013, 0.1993



73.6598, 0.2791, 0.2969



76.3031, 0.2654, 0.4328



15.1127, 0.2745, 0.2921



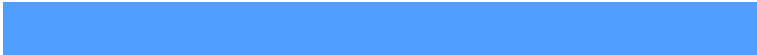
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.9959, 0.2013, 0.1993



25.6974, 0.1847, 0.1693



14.8585, 0.1828, 0.1094



18.7039, 0.2979, 0.3154



10.2428, 0.1720, 0.1391



1.2110, 0.1780, 0.1609

Inverse Universe

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



29.2727, 0.4385, 0.2561



24.8260, 0.4781, 0.2545



91.7112, 0.4001, 0.4876



18.1210, 0.3224, 0.3185



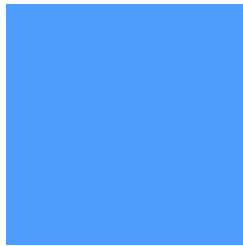
11.7620, 0.5203, 0.2640



1.1668, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 32.9962, 0.2013, 0.1993 looks on a white background.

Color Contrast Check

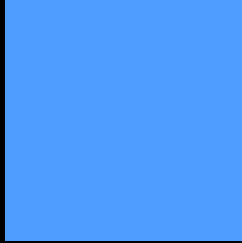
Large Text (above 18pt) WCAG AA × Fail

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 32.9962, 0.2013, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

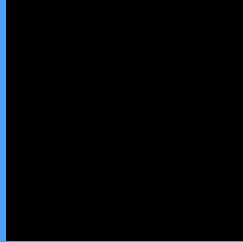
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

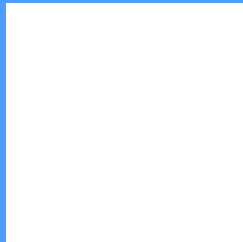
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9962, 0.2013, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 32.9962, 0.2013, 0.1993.



This preview shows how white text looks on a background with the Yxy color 32.9962, 0.2013, 0.1993.

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

32.9962, 0.2013, 0.1993

Protanopia

32.7483, 0.2177, 0.2007

Deuteranopia

32.8363, 0.2048, 0.1978



Tritanopia

33.1180, 0.2199, 0.3070

Trichromacy



Original Color

32.9962, 0.2013, 0.1993

Protanomaly

32.6943, 0.2109, 0.1996

Deuteranomaly

32.9754, 0.2035, 0.1987

Tritanomaly

32.7219, 0.2105, 0.2620

Monochromacy



Original Color

32.9962, 0.2013, 0.1993

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.0626, 0.2571, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9962, 0.2013, 0.1993 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(79, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 157, 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(79, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.9962, 0.2013, 0.1993 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(79, 157, 255) }
```

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

```
.border{ border-color:rgb(79, 157, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 157, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9962, 0.2013, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 157, 255) }
```

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

```
.background{ background-color: rgb(79, 157,  
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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