

Converting Colors

$Yxy(30.9257, 0.2020, 0.2095)$

Have a look what the booklet for
Yxy(30.9257, 0.2020, 0.2095)
contains.

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Color

Yxy(30.9629, 0.2021, 0.2097)

Conversions

Conversions Part 1

Format	Color
Hex	449BF0
RGB	68, 155, 240
RGB Percent	27%, 61%, 94%
CMY	0.7328, 0.3922, 0.0588
CMYK	0.72, 0.35, 0.00, 0.06
HSL	210°, 85%, 60%
HSV	210°, 72%, 94%
XYZ	29.8407, 30.9629, 86.8497
YIQ	138.6770, -79.1370, 7.9910

Conversions

Conversions Part 2

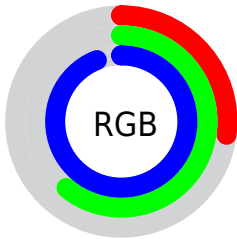
Format	Color
R _{YB}	68, 126, 240
Decimal	4496368
CIE Lab	62.48, 1.57, -50.18
CIE LCh	62, 50.202, 271.791
Yxy	30.9629, 0.2021, 0.2097
Android (android.graphics.Color)	4282686448 (0xFF449BF0)
YUV	138.6770, 49.9522, -61.9837
Hunter-Lab	55.6443, -1.6522, -53.5888

Details

The Yxy color **30.9629, 0.2021, 0.2097** 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 **41.7789, 0.4784, 0.4129**, and the grayscale version is **25.5287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9718, 0.2399, 0.2735**, and **13.3195, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **26.5096, 0.1911, 0.1903**, and if you desaturate by 10%, it is **36.1600, 0.2152, 0.2292**.

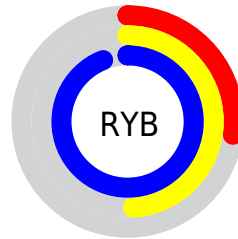
Distribution



Red (27%)

Green (61%)

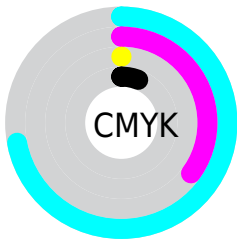
Blue (94%)



Red (27%)

Yellow (49%)

Blue (94%)

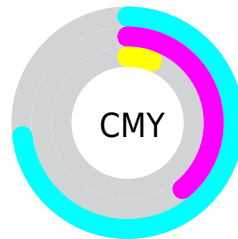


Cyan (72%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (73%)


Magenta (39%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9629, 0.2021, 0.2097 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 30.9629, 0.2021, 0.2097 by changing the saturation by 10% instead.


 30.9629, 0.2021,
0.2097


 30.9629, 0.2021,
0.2097


306.3674, 0.2577,
0.2693

 20.5706, 0.1887,
0.1954


 61.1817, 0.2220,
0.2310


 12.8105, 0.1721,
0.1777


 81.7769, 0.2296,
0.2392

 7.2982, 0.1511,
0.1554


 106.5419, 0.2361,
0.2461

 3.6493, 0.1241,
0.1269

 135.8611, 0.2416,
0.2520

 1.4794, 0.0899,
0.0910

170.1188, 0.2464,
0.2572

 0.2741, 0.0370,
0.0339

209.6995, 0.2506,

 0.0000, 0.0000,

0.2618

0.0000

254.9876, 0.2544,
0.2658

■ 30.9629, 0.2021,
0.2097

■ 30.9629, 0.2021,
0.2097

■ 26.5096, 0.1911,
0.1903

■ 36.1600, 0.2152,
0.2292

■ 22.7397, 0.1825,
0.1717

■ 42.1469, 0.2299,
0.2484

■ 20.0362, 0.1769,
0.1568

■ 48.9683, 0.2457,
0.2667

■ 56.6640, 0.2620,
0.2839

■ 65.2708, 0.2785,
0.2997

■ 74.8229, 0.2946,
0.3141

■ 85.3526, 0.3103,
0.3271

■ 95.9028, 0.3218,
0.3386

■ 99.0719, 0.3214,
0.3434

Harmonies

Analogous

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



30.9629, 0.1774, 0.2321



30.9629, 0.2021, 0.2097



30.9629, 0.2551, 0.2142

Triad

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



30.9629, 0.2021, 0.2097



30.9629, 0.4642, 0.3419



30.9629, 0.2793, 0.4475

Complementary

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



30.9629, 0.2021, 0.2097



41.7789, 0.4784, 0.4129

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.



30.9629, 0.3556, 0.4776



30.9629, 0.2021, 0.2097



30.9629, 0.4665, 0.4005

Square

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



30.9629, 0.2021, 0.2097



30.9629, 0.4123, 0.2865



30.9629, 0.4244, 0.4528



30.9629, 0.2163, 0.3684

Rectangle

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



30.9629, 0.2021, 0.2097



30.9629, 0.3044, 0.2300



30.9629, 0.4244, 0.4528



30.9629, 0.3043, 0.4644

Sweetspot

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



30.9639, 0.2021, 0.2097



75.4681, 0.2794, 0.3006



65.8013, 0.2701, 0.4539



15.5413, 0.2748, 0.2963



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.



30.9639, 0.2021, 0.2097



28.3081, 0.1867, 0.1815



12.0313, 0.1755, 0.1036



16.5490, 0.2980, 0.3170



11.2339, 0.1777, 0.1596



1.1337, 0.1842, 0.1832

Inverse Universe

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



25.0432, 0.4286, 0.2443



24.5952, 0.4646, 0.2427



79.5993, 0.4099, 0.4847



15.8921, 0.3214, 0.3171



10.9274, 0.4936, 0.2493



0.9292, 0.4647, 0.2333

Previews

White Background



This preview shows how the Yxy color 30.9629, 0.2021, 0.2097 looks on a white background.

Color Contrast Check

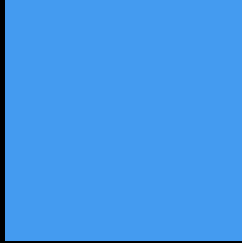
Large Text (above 18pt) WCAG AA × Fail

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 30.9629, 0.2021, 0.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

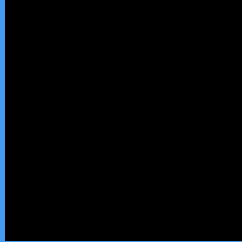
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

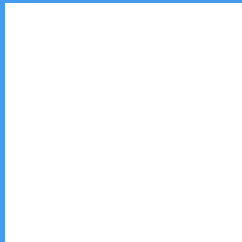
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9629, 0.2021, 0.2097

Background



This preview shows how black text looks on a background with the Yxy color 30.9629, 0.2021, 0.2097.



This preview shows how white text looks on a background with the Yxy color 30.9629, 0.2021, 0.2097.

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

30.9629, 0.2021, 0.2097

Protanopia

30.6726, 0.2263, 0.2120

Deuteranopia

30.7050, 0.2116, 0.2048



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

30.9629, 0.2021, 0.2097

Protanomaly

30.6355, 0.2157, 0.2103

Deuteranomaly

30.8336, 0.2077, 0.2064

Tritanomaly

30.6653, 0.2094, 0.2659

Monochromacy



Original Color

30.9629, 0.2021, 0.2097

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8961, 0.2564, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9629, 0.2021, 0.2097 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(68, 155, 240)` looks like.

```
.text, #text, p{  
    color:rgb(68, 155, 240)  
}
```

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(68, 155, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 155, 240) }
```

Border

The CSS property to change the border of an element to Yxy 30.9629, 0.2021, 0.2097 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(68, 155, 240) }
```

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

```
.border{ border-color:rgb(68, 155, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 155, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 155, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 155, 240);  
box-shadow:4px 4px 4px 4px rgb(68, 155,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9629, 0.2021, 0.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 155, 240) }
```

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

```
.background{ background-color: rgb(68, 155,  
240) }
```

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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