

Converting Colors

$Y_{xy}(32.9405, 0.1936, 0.2009)$

Have a look what the booklet for
Yxy(32.9405, 0.1936, 0.2009)
contains.

Yxy(32.9425, 0.1936, 0.2009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.9425, 0.1936, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	2EA0FF
RGB	46, 160, 255
RGB Percent	18%, 63%, 100%
CMY	0.8197, 0.3725, 0.0000
CMYK	0.82, 0.37, 0.00, 0.00
HSL	207°, 100%, 59%
HSV	207°, 82%, 100%
XYZ	31.7455, 32.9425, 99.2866
YIQ	136.7440, -98.4390, 5.3770

Conversions

Conversions Part 2

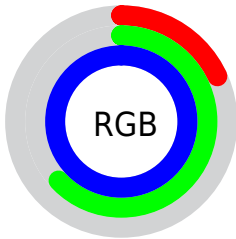
Format	Color
R _Y B	46, 120, 255
Decimal	3055871
CIE Lab	64.11, 1.59, -55.81
CIE LCh	64, 55.837, 271.632
Yxy	32.9425, 0.1936, 0.2009
Android (android.graphics.Color)	4281245951 (0xFF2EA0FF)
YUV	136.7440, 58.3002, -79.5825
Hunter-Lab	57.3956, -1.7139, -62.3869

Details

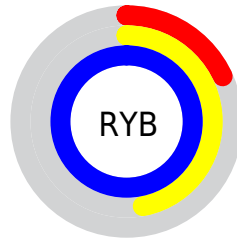
The Yxy color **32.9425, 0.1936, 0.2009** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **40.4989, 0.5154, 0.4072**, and the grayscale version is **24.7183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6731, 0.2366, 0.2793**, and **15.0145, 0.1817, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **28.6841, 0.1856, 0.1835**, and if you desaturate by 10%, it is **37.9284, 0.2040, 0.2188**.

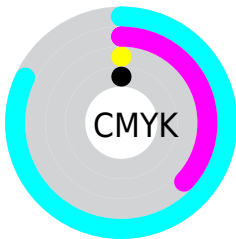
Distribution



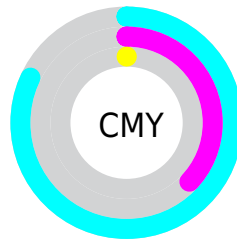
- Red (18%)
- Green (63%)
- Blue (100%)



- Red (18%)
- Yellow (47%)
- Blue (100%)



- Cyan (82%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9425, 0.1936, 0.2009 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 32.9425, 0.1936, 0.2009 by changing the saturation by 10% instead.


 32.9425, 0.1936,
0.2009

 32.9425, 0.1936,
0.2009


315.3906, 0.2522,
0.2637

 22.0824, 0.1799,
0.1864


 64.2857, 0.2143,
0.2230


 13.9175, 0.1632,
0.1685


 85.5377, 0.2223,
0.2315


 8.0633, 0.1423,
0.1465


 111.0224, 0.2291,
0.2388

 4.1355, 0.1163,
0.1190

 141.1242, 0.2350,
0.2452

 1.7496, 0.0842,
0.0854

 176.2275, 0.2401,
0.2507

 0.4555, 0.0428,
0.0414

216.7167, 0.2447,

 0.0000, 0.0000,

0.2555

0.0000

262.9763, 0.2487,
0.2598

■ 32.9425, 0.1936,
0.2009

■ 32.9425, 0.1936,
0.2009

■ 28.6841, 0.1856,
0.1835

■ 37.9284, 0.2040,
0.2188

■ 25.7149, 0.1806,
0.1701

■ 43.7028, 0.2164,
0.2368

■ 50.3208, 0.2305,
0.2544

■ 57.8307, 0.2458,
0.2712

■ 66.2760, 0.2618,
0.2870

■ 75.6968, 0.2780,
0.3016

■ 86.1305, 0.2940,
0.3149

■ 97.6122, 0.3097,
0.3268

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



32.9425, 0.1676, 0.2242



32.9425, 0.1936, 0.2009



32.9425, 0.2498, 0.2059

Triad

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



32.9425, 0.1936, 0.2009



32.9425, 0.4773, 0.3410



32.9425, 0.2759, 0.4600

Complementary

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



32.9425, 0.1936, 0.2009



40.4989, 0.5154, 0.4072

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.



32.9425, 0.3579, 0.4912



32.9425, 0.1936, 0.2009



32.9425, 0.4789, 0.4035

Square

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



32.9425, 0.1936, 0.2009



32.9425, 0.4207, 0.2824



32.9425, 0.4324, 0.4613



32.9425, 0.2084, 0.3722

Rectangle

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



32.9425, 0.1936, 0.2009



32.9425, 0.3028, 0.2227



32.9425, 0.4324, 0.4613



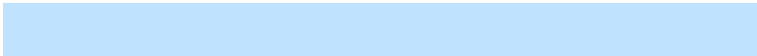
32.9425, 0.3027, 0.4783

Sweetspot

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



32.9435, 0.1936, 0.2009



72.7362, 0.2730, 0.2973



73.9909, 0.2729, 0.4851



14.8586, 0.2673, 0.2922



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.



32.9435, 0.1936, 0.2009



26.4284, 0.1818, 0.1734



10.6713, 0.1625, 0.0841



19.0201, 0.2979, 0.3179



13.7400, 0.1814, 0.1729



1.5563, 0.1867, 0.1921

Inverse Universe

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



25.7501, 0.4415, 0.2341



23.3065, 0.4762, 0.2406



86.4845, 0.4216, 0.4911



18.1529, 0.3208, 0.3161



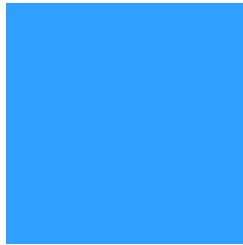
12.1150, 0.4771, 0.2402



1.2017, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 32.9425, 0.1936, 0.2009 looks on a white background.

Color Contrast Check

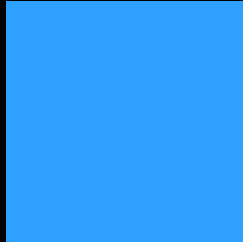
Large Text (above 18pt) WCAG AA × Fail

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 32.9425, 0.1936, 0.2009 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

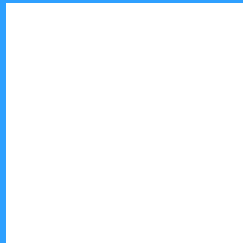
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9425, 0.1936, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 32.9425, 0.1936, 0.2009.



This preview shows how white text looks on a background with the Yxy color 32.9425, 0.1936, 0.2009.

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

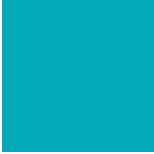
32.9425, 0.1936, 0.2009

Protanopia

32.6305, 0.2196, 0.2036

Deuteranopia

32.7374, 0.2040, 0.1976



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.9425, 0.1936, 0.2009

Protanomaly

32.2375, 0.2067, 0.2011

Deuteranomaly

32.7504, 0.1994, 0.1987

Tritanomaly

32.4097, 0.2072, 0.2614

Monochromacy



Original Color

32.9425, 0.1936, 0.2009

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4891, 0.2467, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9425, 0.1936, 0.2009 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(46, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 160, 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(46, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.9425, 0.1936, 0.2009 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(46, 160, 255) }
```

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

```
.border{ border-color:rgb(46, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9425, 0.1936, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 160, 255) }
```

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

```
.background{ background-color: rgb(46, 160,  
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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