

Converting Colors

$Yxy(36.7806, 0.2026, 0.2299)$

Have a look what the booklet for
Yxy(36.7806, 0.2026, 0.2299)
contains.

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Color

Yxy(36.7148, 0.2024, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	32ACF4
RGB	50, 172, 244
RGB Percent	20%, 67%, 96%
CMY	0.8038, 0.3255, 0.0433
CMYK	0.79, 0.29, 0.00, 0.04
HSL	202°, 90%, 58%
HSV	202°, 79%, 96%
XYZ	32.3935, 36.7148, 90.9388
YIQ	143.7300, -95.8240, -3.4720

Conversions

Conversions Part 2

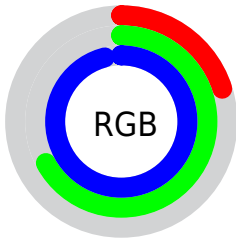
Format	Color
R _Y B	50, 125, 244
Decimal	3321076
CIE Lab	67.06, -8.77, -45.14
CIE LCh	67, 45.981, 259.001
Yxy	36.7148, 0.2024, 0.2294
Android (android.graphics.Color)	4281511156 (0xFF32ACF4)
YUV	143.7300, 49.4331, -82.2012
Hunter-Lab	60.5927, -10.6093, -46.5687

Details

The Yxy color **36.7148, 0.2024, 0.2294** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **33.3764, 0.5255, 0.3912**, and the grayscale version is **27.6072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5181, 0.2398, 0.2955**, and **17.0208, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **32.9223, 0.1948, 0.2150**, and if you desaturate by 10%, it is **41.0744, 0.2121, 0.2439**.

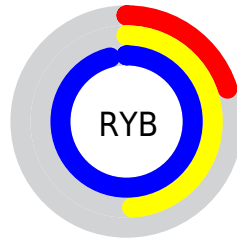
Distribution



Red (20%)

Green (67%)

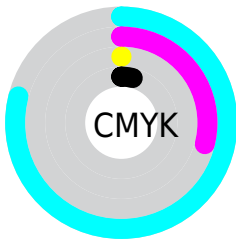
Blue (96%)



Red (20%)

Yellow (49%)

Blue (96%)

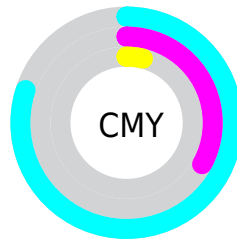


Cyan (79%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (80%)

Magenta (33%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7148, 0.2024, 0.2294 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 36.7148, 0.2024, 0.2294 by changing the saturation by 10% instead.

■ 36.7148, 0.2024,
0.2294

■ 36.7148, 0.2024,
0.2294

■ 332.0741, 0.2563,
0.2794

■ 24.9868, 0.1898,
0.2173

■ 70.1339, 0.2215,
0.2474

■ 16.0672, 0.1741,
0.2021

■ 92.5938, 0.2288,
0.2542

■ 9.5717, 0.1545,
0.1828

■ 119.3997, 0.2351,
0.2600

■ 5.1159, 0.1295,
0.1575

■ 150.9361, 0.2405,
0.2650

■ 2.3154, 0.0976,
0.1242

■ 187.5873, 0.2452,
0.2693

■ 0.7819, 0.0549,
0.0811

229.7378, 0.2494,

■ 0.0000, 0.0000,

0.2731

0.0000

277.7720, 0.2530,
0.2765

■ 36.7148, 0.2024,
0.2294

■ 36.7148, 0.2024,
0.2294

■ 32.9223, 0.1948,
0.2150

■ 41.0744, 0.2121,
0.2439

■ 29.6160, 0.1893,
0.2011

■ 46.0480, 0.2237,
0.2583

■ 29.4556, 0.1890,
0.2003

■ 51.6799, 0.2370,
0.2722

■ 58.0083, 0.2514,
0.2855

■ 65.0676, 0.2667,
0.2980

■ 72.8899, 0.2823,
0.3095

■ 81.5045, 0.2980,
0.3200

■ 90.9394, 0.3135,
0.3295

■ 98.3440, 0.3192,
0.3381

Harmonies

Analogous

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



36.7148, 0.1912, 0.2619



36.7148, 0.2024, 0.2294



36.7148, 0.2395, 0.2229

Triad

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



36.7148, 0.2024, 0.2294



36.7148, 0.4293, 0.3203



36.7148, 0.3131, 0.4473

Complementary

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



36.7148, 0.2024, 0.2294



33.3764, 0.5255, 0.3912

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.



36.7148, 0.3794, 0.4537



36.7148, 0.2024, 0.2294



36.7148, 0.4512, 0.3724

Square

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



36.7148, 0.2024, 0.2294



36.7148, 0.3710, 0.2733



36.7148, 0.4309, 0.4216



36.7148, 0.2502, 0.3945

Rectangle

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



36.7148, 0.2024, 0.2294



36.7148, 0.2775, 0.2313



36.7148, 0.4309, 0.4216



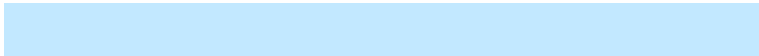
36.7148, 0.3358, 0.4549

Sweetspot

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



36.7160, 0.2024, 0.2294



76.5399, 0.2751, 0.3044



66.7436, 0.2792, 0.5021



15.7305, 0.2696, 0.3002



0.0000, 0.0000, 0.0000



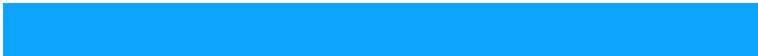
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7160, 0.2024, 0.2294



34.2533, 0.1915, 0.2070



12.3634, 0.1692, 0.1035



17.6638, 0.2980, 0.3200



16.2918, 0.1896, 0.2026



1.6283, 0.1945, 0.2202

Inverse Universe

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



24.4903, 0.4107, 0.2192



24.2621, 0.4371, 0.2201



69.6566, 0.4320, 0.4778



16.6579, 0.3195, 0.3142



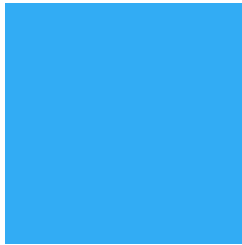
11.7440, 0.4424, 0.2211



1.0520, 0.4231, 0.2104

Previews

White Background



This preview shows how the Yxy color 36.7148, 0.2024, 0.2294 looks on a white background.

Color Contrast Check

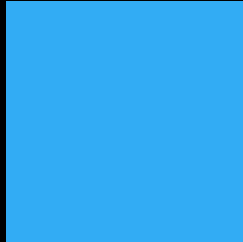
Large Text (above 18pt) WCAG AA × Fail

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 36.7148, 0.2024, 0.2294 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

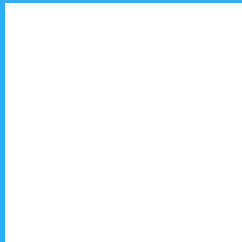
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7148, 0.2024, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 36.7148, 0.2024, 0.2294.



This preview shows how white text looks on a background with the Yxy color 36.7148, 0.2024, 0.2294.

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

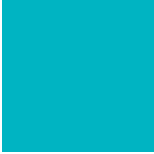
36.7148, 0.2024, 0.2294

Protanopia

36.1401, 0.2408, 0.2306

Deuteranopia

36.2085, 0.2249, 0.2185



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



Original Color

36.7148, 0.2024, 0.2294

Protanomaly

35.7881, 0.2215, 0.2288

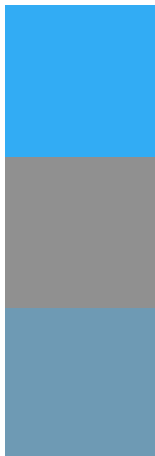
Deuteranomaly

35.9357, 0.2138, 0.2217

Tritanomaly

36.3263, 0.2110, 0.2752

Monochromacy



Original Color

36.7148, 0.2024, 0.2294

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.7215, 0.2534, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7148, 0.2024, 0.2294 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(50, 172, 244)` looks like.

```
.text, #text, p{  
    color:rgb(50, 172, 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(50, 172, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 172, 244) }
```

Border

The CSS property to change the border of an element to Yxy 36.7148, 0.2024, 0.2294 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(50, 172, 244) }
```

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

```
.border{ border-color:rgb(50, 172, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 172, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 172, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 172, 244);  
box-shadow:4px 4px 4px 4px rgb(50, 172,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7148, 0.2024, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 172, 244) }
```

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

```
.background{ background-color: rgb(50, 172,  
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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