

Converting Colors

$Y_{xy}(32.2590, 0.2050, 0.2369)$

Have a look what the booklet for
Yxy(32.2590, 0.2050, 0.2369)
contains.

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Color

Yxy(32.2590, 0.2050, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	30A3E1
RGB	48, 163, 225
RGB Percent	19%, 64%, 88%
CMY	0.8109, 0.3608, 0.1176
CMYK	0.79, 0.28, 0.00, 0.12
HSL	201°, 75%, 54%
HSV	201°, 79%, 88%
XYZ	27.9151, 32.2590, 75.9972
YIQ	135.6830, -88.4420, -5.0980

Conversions

Conversions Part 2

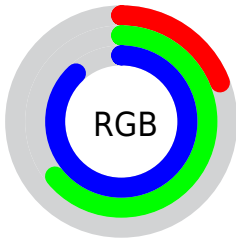
Format	Color
R _Y B	48, 118, 225
Decimal	3187681
CIE Lab	63.56, -10.56, -40.24
CIE LCh	64, 41.605, 255.298
Yxy	32.2590, 0.2050, 0.2369
Android (android.graphics.Color)	4281377761 (0xFF30A3E1)
YUV	135.6830, 44.0333, -76.8980
Hunter-Lab	56.7970, -11.6639, -39.5751

Details

The Yxy color **32.2590, 0.2050, 0.2369** 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 **27.4298, 0.5255, 0.3875**, and the grayscale version is **24.3764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3559, 0.2355, 0.2841**, and **14.4529, 0.1932, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **29.1261, 0.1975, 0.2234**, and if you desaturate by 10%, it is **35.8467, 0.2146, 0.2505**.

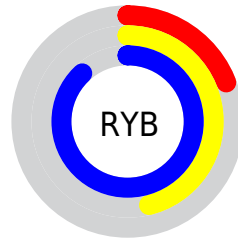
Distribution



Red (19%)

Green (64%)

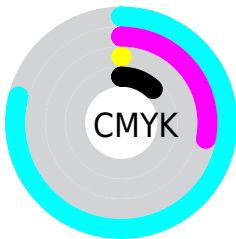
Blue (88%)



Red (19%)

Yellow (46%)

Blue (88%)

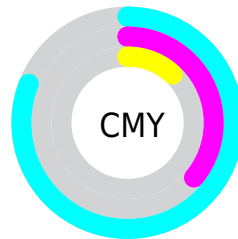


Cyan (79%)

Magenta (28%)

Yellow (0%)

Black (12%)



Cyan (81%)

Magenta (36%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2590, 0.2050, 0.2369 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 32.2590, 0.2050, 0.2369 by changing the saturation by 10% instead.

■ 32.2590, 0.2050,
0.2369

■ 32.2590, 0.2050,
0.2369

■ 312.2974, 0.2590,
0.2846

■ 21.5594, 0.1919,
0.2248

■ 63.2169, 0.2244,
0.2544

■ 13.5335, 0.1755,
0.2095

■ 84.2440, 0.2318,
0.2610

■ 7.7969, 0.1546,
0.1893

■ 109.4824, 0.2380,
0.2665

■ 3.9653, 0.1273,
0.1623

■ 139.3164, 0.2434,
0.2712

■ 1.6542, 0.0919,
0.1254

■ 174.1306, 0.2481,
0.2753

■ 0.3937, 0.0194,
0.0654

214.3092, 0.2522,

■ 0.0000, 0.0000,

0.2788

0.0000

260.2367, 0.2558,
0.2819

■ 32.2590, 0.2050,
0.2369

■ 32.2590, 0.2050,
0.2369

■ 29.1261, 0.1975,
0.2234

■ 35.8467, 0.2146,
0.2505

■ 26.3865, 0.1919,
0.2102

■ 39.9257, 0.2261,
0.2639

■ 26.0157, 0.1912,
0.2083

■ 44.5315, 0.2392,
0.2769

■ 49.6943, 0.2534,
0.2893

■ 55.4419, 0.2685,
0.3009

■ 61.7995, 0.2839,
0.3116

■ 68.7908, 0.2995,
0.3214

■ 76.4380, 0.3149,
0.3302

■ 84.7621, 0.3299,
0.3381

Harmonies

Analogous

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



32.2590, 0.1975, 0.2715



32.2590, 0.2050, 0.2369



32.2590, 0.2376, 0.2275

Triad

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



32.2590, 0.2050, 0.2369



32.2590, 0.4176, 0.3152



32.2590, 0.3216, 0.4434

Complementary

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



32.2590, 0.2050, 0.2369



27.4298, 0.5255, 0.3875

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.



32.2590, 0.3836, 0.4449



32.2590, 0.2050, 0.2369



32.2590, 0.4434, 0.3649

Square

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



32.2590, 0.2050, 0.2369



32.2590, 0.3597, 0.2713



32.2590, 0.4293, 0.4123



32.2590, 0.2604, 0.3984

Rectangle

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



32.2590, 0.2050, 0.2369



32.2590, 0.2722, 0.2337



32.2590, 0.4293, 0.4123



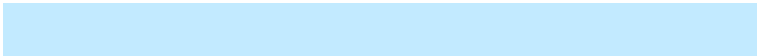
32.2590, 0.3430, 0.4488

Sweetspot

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



32.2601, 0.2050, 0.2369



77.2404, 0.2752, 0.3057



55.6185, 0.2804, 0.5034



15.8995, 0.2697, 0.3018



0.0000, 0.0000, 0.0000



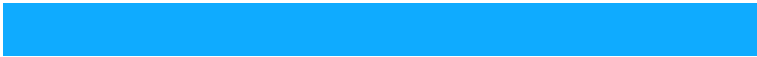
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2601, 0.2050, 0.2369



36.4133, 0.1939, 0.2153



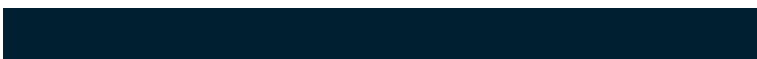
11.0675, 0.1717, 0.1097



14.7207, 0.2982, 0.3206



15.2168, 0.1918, 0.2103



1.2209, 0.1974, 0.2307

Inverse Universe

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



20.7853, 0.4029, 0.2162



24.5468, 0.4279, 0.2154



56.8387, 0.4332, 0.4745



13.8497, 0.3191, 0.3139



10.4442, 0.4337, 0.2163



0.7407, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 32.2590, 0.2050, 0.2369 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 32.2590, 0.2050, 0.2369 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

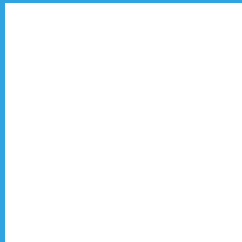
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2590, 0.2050, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 32.2590, 0.2050, 0.2369.

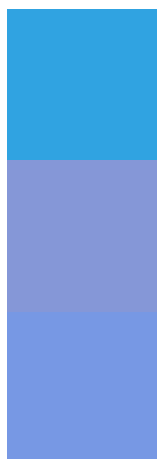


This preview shows how white text looks on a background with the Yxy color 32.2590, 0.2050, 0.2369.

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

32.2590, 0.2050, 0.2369

Protanopia

32.0261, 0.2467, 0.2394

Deuteranopia

31.9798, 0.2302, 0.2242



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.2590, 0.2050, 0.2369

Protanomaly

31.3819, 0.2257, 0.2362

Deuteranomaly

31.6501, 0.2176, 0.2275

Tritanomaly

31.8432, 0.2121, 0.2784

Monochromacy



Original Color

32.2590, 0.2050, 0.2369

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.3280, 0.2553, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2590, 0.2050, 0.2369 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(48, 163, 225)` looks like.

```
.text, #text, p{  
    color:rgb(48, 163, 225)  
}
```

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(48, 163, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 163, 225) }
```

Border

The CSS property to change the border of an element to Yxy 32.2590, 0.2050, 0.2369 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(48, 163, 225) }
```

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

```
.border{ border-color:rgb(48, 163, 225) }
```

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

Here you see how a box with a 4 pixel rgb(48, 163, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 163, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 163, 225);  
box-shadow:4px 4px 4px 4px rgb(48, 163,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2590, 0.2050, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 163, 225) }
```

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

```
.background{ background-color: rgb(48, 163,  
225) }
```

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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