

Converting Colors

$Y_{xy}(32.5471, 0.2039, 0.2318)$

Have a look what the booklet for
Yxy(32.5471, 0.2039, 0.2318)
contains.

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Color

Yxy(32.5296, 0.2040, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	32A3E5
RGB	50, 163, 229
RGB Percent	20%, 64%, 90%
CMY	0.8037, 0.3608, 0.1020
CMYK	0.78, 0.29, 0.00, 0.10
HSL	202°, 77%, 55%
HSV	202°, 78%, 90%
XYZ	28.5544, 32.5296, 78.8885
YIQ	136.7370, -88.5340, -3.4300

Conversions

Conversions Part 2

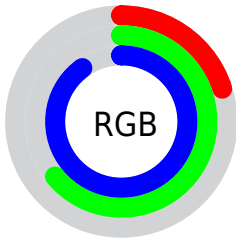
Format	Color
R _{YB}	50, 119, 229
Decimal	3318757
CIE _{Lab}	63.78, -9.00, -42.08
CIE _{LCh}	64, 43.033, 257.931
Y _{xy}	32.5296, 0.2040, 0.2324
Android (android.graphics.Color)	4281508837 (0xFF32A3E5)
YUV	136.7370, 45.4857, -76.0683
Hunter-Lab	57.0347, -10.4449, -42.0836

Details

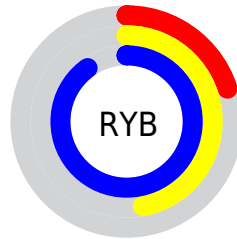
The Yxy color **32.5296, 0.2040, 0.2324** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **29.3821, 0.5207, 0.3910**, and the grayscale version is **24.7674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5004, 0.2363, 0.2842**, and **14.6055, 0.1916, 0.2099** is the 20% darker color. If you saturate the color by 10%, you get **29.1874, 0.1961, 0.2181**, and if you desaturate by 10%, it is **36.3649, 0.2140, 0.2468**.

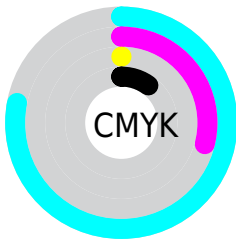
Distribution



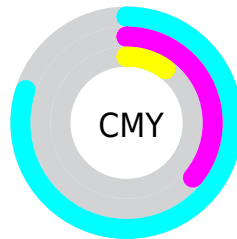
- Red (20%)
- Green (64%)
- Blue (90%)



- Red (20%)
- Yellow (47%)
- Blue (90%)



- Cyan (78%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)




- Cyan (80%)
- Magenta (36%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5296, 0.2040, 0.2324 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 32.5296, 0.2040, 0.2324 by changing the saturation by 10% instead.


 32.5296, 0.2040,
0.2324


 32.5296, 0.2040,
0.2324


313.5247, 0.2583,
0.2821


 21.7663, 0.1909,
0.2200


 63.6404, 0.2235,
0.2505


 13.6853, 0.1745,
0.2043


 84.7568, 0.2309,
0.2573


 7.9021, 0.1536,
0.1838


 110.0929, 0.2372,
0.2631

 4.0324, 0.1267,
0.1567

 140.0333, 0.2426,
0.2680

 1.6917, 0.0918,
0.1201

 174.9623, 0.2473,
0.2722

 0.4183, 0.0269,
0.0632

215.2642, 0.2515,

 0.0000, 0.0000,

0.2759

0.0000

261.3236, 0.2551,
0.2792

■ 32.5296, 0.2040,
0.2324

■ 32.5296, 0.2040,
0.2324

■ 29.1874, 0.1961,
0.2181

■ 36.3649, 0.2140,
0.2468

■ 26.2771, 0.1903,
0.2042

■ 40.7321, 0.2258,
0.2609

■ 25.7695, 0.1894,
0.2017

■ 45.6682, 0.2392,
0.2747

■ 51.2056, 0.2537,
0.2877

■ 57.3732, 0.2689,
0.2999

■ 64.1980, 0.2845,
0.3112

■ 71.7051, 0.3002,
0.3214

■ 79.9179, 0.3155,
0.3306

■ 88.6442, 0.3297,
0.3389

Harmonies

Analogous

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



32.5296, 0.1940, 0.2654



32.5296, 0.2040, 0.2324



32.5296, 0.2396, 0.2250

Triad

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



32.5296, 0.2040, 0.2324



32.5296, 0.4248, 0.3189



32.5296, 0.3157, 0.4450

Complementary

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



32.5296, 0.2040, 0.2324



29.3821, 0.5207, 0.3910

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.



32.5296, 0.3802, 0.4500



32.5296, 0.2040, 0.2324



32.5296, 0.4477, 0.3700

Square

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



32.5296, 0.2040, 0.2324



32.5296, 0.3671, 0.2732



32.5296, 0.4295, 0.4182



32.5296, 0.2538, 0.3951

Rectangle

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



32.5296, 0.2040, 0.2324



32.5296, 0.2763, 0.2327



32.5296, 0.4295, 0.4182



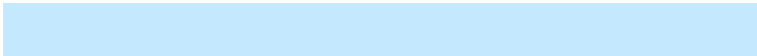
32.5296, 0.3378, 0.4519

Sweetspot

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



32.5307, 0.2040, 0.2324



77.4926, 0.2767, 0.3057



57.9607, 0.2791, 0.4983



15.9211, 0.2711, 0.3015



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.



32.5307, 0.2040, 0.2324



34.8209, 0.1922, 0.2092



11.2201, 0.1714, 0.1074



15.3961, 0.2981, 0.3201



14.9739, 0.1900, 0.2038



1.2826, 0.1956, 0.2241

Inverse Universe

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



21.5845, 0.4073, 0.2195



24.3860, 0.4346, 0.2192



60.6074, 0.4304, 0.4765



14.5203, 0.3194, 0.3143



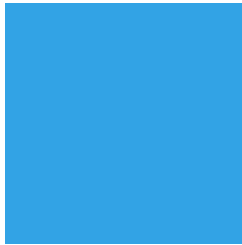
10.7093, 0.4410, 0.2203



0.8092, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 32.5296, 0.2040, 0.2324 looks on a white background.

Color Contrast Check

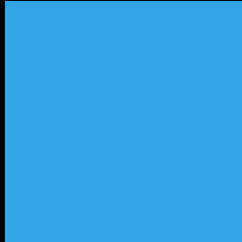
Large Text (above 18pt) WCAG AA × Fail

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 32.5296, 0.2040, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

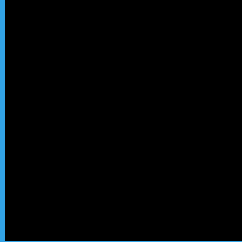
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

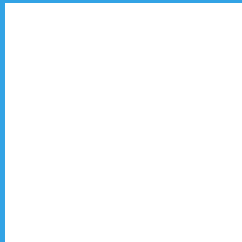
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.5296, 0.2040, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 32.5296, 0.2040, 0.2324.



This preview shows how white text looks on a background with the Yxy color 32.5296, 0.2040, 0.2324.

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

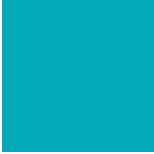
32.5296, 0.2040, 0.2324

Protanopia

32.1532, 0.2436, 0.2347

Deuteranopia

32.3339, 0.2277, 0.2221



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.5296, 0.2040, 0.2324

Protanomaly

31.5952, 0.2237, 0.2316

Deuteranomaly

32.1543, 0.2166, 0.2257

Tritanomaly

32.3040, 0.2117, 0.2771

Monochromacy



Original Color

32.5296, 0.2040, 0.2324

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4633, 0.2547, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5296, 0.2040, 0.2324 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, 163, 229)` looks like.

```
.text, #text, p{  
    color:rgb(50, 163, 229)  
}
```

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, 163, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 163, 229) }
```

Border

The CSS property to change the border of an element to Yxy 32.5296, 0.2040, 0.2324 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, 163, 229) }
```

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

```
.border{ border-color:rgb(50, 163, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 163, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 163, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 163, 229);  
box-shadow:4px 4px 4px 4px rgb(50, 163,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5296, 0.2040, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 163, 229) }
```

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

```
.background{ background-color: rgb(50, 163,  
229) }
```

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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