

Converting Colors

$Y_{xy}(32.2172, 0.2515, 0.2229)$

Have a look what the booklet for
Yxy(32.2172, 0.2515, 0.2229)
contains.

Yxy(32.2258, 0.2514, 0.2224)	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(32.2258, 0.2514, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	9691E2
RGB	150, 145, 226
RGB Percent	59%, 57%, 89%
CMY	0.4118, 0.4313, 0.1138
CMYK	0.34, 0.36, 0.00, 0.11
HSL	244°, 58%, 73%
HSV	244°, 36%, 89%
XYZ	36.4279, 32.2258, 76.2465
YIQ	155.7290, -23.0210, 26.2510

Conversions

Conversions Part 2

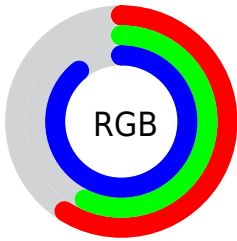
Format	Color
R_{YB}	150, 145, 226
Decimal	9867746
CIE _{Lab}	63.53, 20.39, -40.48
CIE _{LCh}	64, 45.330, 296.736
Yxy	32.2258, 0.2514, 0.2224
Android (android.graphics.Color)	4288057826 (0xFF9691E2)
YUV	155.7290, 34.6436, -5.0243
Hunter-Lab	56.7678, 15.1999, -39.8967

Details

The Yxy color **32.2258, 0.2514, 0.2224** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.8077, 0.3627, 0.4192**, and the grayscale version is **32.9695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1887, 0.2802, 0.2682**, and **13.5735, 0.2325, 0.1952** is the 20% darker color. If you saturate the color by 10%, you get **24.1603, 0.2307, 0.1873**, and if you desaturate by 10%, it is **42.0315, 0.2709, 0.2559**.

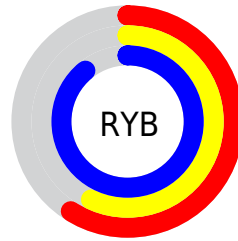
Distribution



Red (59%)

Green (57%)

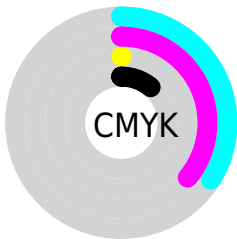
Blue (89%)



Red (59%)

Yellow (57%)

Blue (89%)

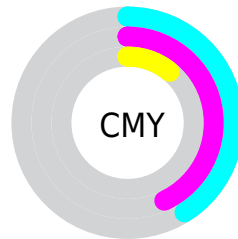


Cyan (34%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2258, 0.2514, 0.2224 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 32.2258, 0.2514, 0.2224 by changing the saturation by 10% instead.

■ 32.2258, 0.2514,
0.2224

■ 32.2258, 0.2514,
0.2224

■ 312.1466, 0.2837,
0.2748

■ 21.5340, 0.2431,
0.2099

■ 63.1649, 0.2634,
0.2411

■ 13.5149, 0.2322,
0.1943

■ 84.1810, 0.2678,
0.2482

■ 7.7841, 0.2178,
0.1743

■ 109.4074, 0.2715,
0.2543

■ 3.9571, 0.1978,
0.1483

■ 139.2284, 0.2747,
0.2595

■ 1.6496, 0.1690,
0.1138

■ 174.0284, 0.2774,
0.2641

■ 0.3907, 0.1277,
0.0574

■ 214.1918, 0.2798,

■ 0.0000, 0.0000,

0.2681

0.0000

260.1031, 0.2818,
0.2716

■ 32.2258, 0.2514,
0.2224

■ 32.2258, 0.2514,
0.2224

■ 24.1603, 0.2307,
0.1873

■ 42.0315, 0.2709,
0.2559

■ 17.7298, 0.2099,
0.1526

■ 53.6671, 0.2887,
0.2868

■ 12.8235, 0.1904,
0.1205

■ 67.2204, 0.3044,
0.3144

■ 9.3152, 0.1737,
0.0937

■ 82.7725, 0.3182,
0.3387

■ 7.0585, 0.1611,
0.0744

■ 98.2706, 0.3298,
0.3572

■ 5.8740, 0.1534,
0.0636

■ 5.5832, 0.1515,
0.0608

Harmonies

Analogous

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



32.2258, 0.2069, 0.2227



32.2258, 0.2514, 0.2224



32.2258, 0.3178, 0.2441

Triad

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



32.2258, 0.2514, 0.2224



32.2258, 0.4536, 0.3868



32.2258, 0.2345, 0.3774

Complementary

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



32.2258, 0.2514, 0.2224



71.8077, 0.3627, 0.4192

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.



32.2258, 0.2951, 0.4413



32.2258, 0.2514, 0.2224



32.2258, 0.4227, 0.4349

Square

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



32.2258, 0.2514, 0.2224



32.2258, 0.4428, 0.3333



32.2258, 0.3641, 0.4604



32.2258, 0.1974, 0.3028

Rectangle

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



32.2258, 0.2514, 0.2224



32.2258, 0.3671, 0.2686



32.2258, 0.3641, 0.4604



32.2258, 0.2527, 0.4019

Sweetspot

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



32.2270, 0.2514, 0.2224



78.7355, 0.2964, 0.3003



63.7240, 0.2618, 0.3239



16.3390, 0.2943, 0.2965



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.



32.2270, 0.2514, 0.2224



34.2625, 0.2361, 0.1963



36.6332, 0.2842, 0.2315



13.2833, 0.2990, 0.3048



3.2026, 0.1520, 0.0611



0.2364, 0.1578, 0.0643

Inverse Universe

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



41.6421, 0.3213, 0.2453



48.4111, 0.3233, 0.2288



66.3122, 0.3328, 0.4288



13.9203, 0.3147, 0.3073



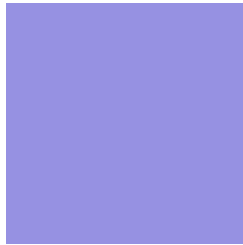
11.9455, 0.3369, 0.1630



0.8325, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 32.2258, 0.2514, 0.2224 looks on a white background.

Color Contrast Check

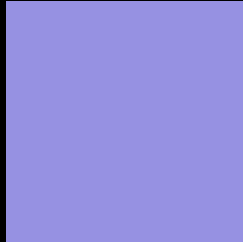
Large Text (above 18pt) WCAG AA × Fail

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 32.2258, 0.2514, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

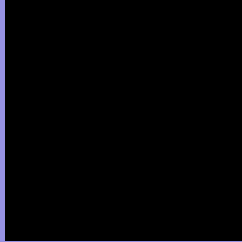
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2258, 0.2514, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 32.2258, 0.2514, 0.2224.



This preview shows how white text looks on a background with the Yxy color 32.2258, 0.2514, 0.2224.

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

32.2258, 0.2514, 0.2224

Protanopia

32.3384, 0.2328, 0.2208

Deuteranopia

32.4494, 0.2358, 0.2307



Tritanopia

32.3818, 0.2847, 0.3105

Trichromacy



Original Color

32.2258, 0.2514, 0.2224

Protanomaly

32.3029, 0.2394, 0.2217

Deuteranomaly

32.2355, 0.2405, 0.2269

Tritanomaly

32.2510, 0.2713, 0.2748

Monochromacy



Original Color

32.2258, 0.2514, 0.2224

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6627, 0.2889, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2258, 0.2514, 0.2224 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(150, 145, 226)` looks like.

```
.text, #text, p{  
    color:rgb(150, 145, 226)  
}
```

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(150, 145, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 145, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.2258, 0.2514, 0.2224 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(150, 145, 226) }
```

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

```
.border{ border-color:rgb(150, 145, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 145, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 145, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 145, 226);  
box-shadow:4px 4px 4px 4px rgb(150, 145,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2258, 0.2514, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 145, 226) }
```

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

```
.background{ background-color: rgb(150,  
145, 226) }
```

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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