

Converting Colors

$Yxy(42.3056, 0.3175, 0.3458)$

Have a look what the booklet for
Yxy(42.3056, 0.3175, 0.3458)
contains.

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Color

Yxy(42.2771, 0.3172, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	AAB0A4
RGB	170, 176, 164
RGB Percent	67%, 69%, 64%
CMY	0.3334, 0.3098, 0.3568
CMYK	0.03, 0.00, 0.07, 0.31
HSL	90°, 7%, 67%
HSV	90°, 7%, 69%
XYZ	38.8029, 42.2771, 41.2495
YIQ	172.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

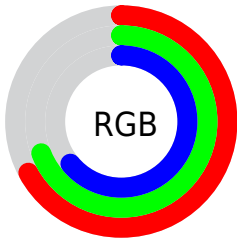
Format	Color
RYB	164, 176, 170
Decimal	11186340
CIELab	71.06, -4.35, 5.39
CIELCh	71, 6.924, 128.882
Yxy	42.2771, 0.3172, 0.3456
Android (android.graphics.Color)	4289376420 (0xFFAAB0A4)
YUV	172.8380, -4.3571, -2.4889
Hunter-Lab	65.0208, -7.2618, 7.9007

Details

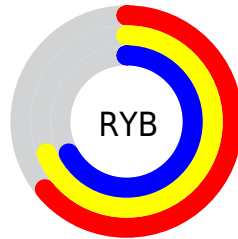
The Yxy color $42.2771, 0.3172, 0.3456$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $38.2473, 0.3080, 0.3124$, and the grayscale version is $41.7254, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8353, 0.3162, 0.3429$, and $19.4367, 0.3189, 0.3522$ is the 20% darker color. If you saturate the color by 10%, you get $40.7331, 0.3238, 0.3718$, and if you desaturate by 10%, it is $43.9792, 0.3106, 0.3216$.

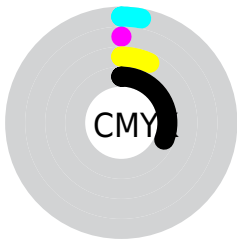
Distribution



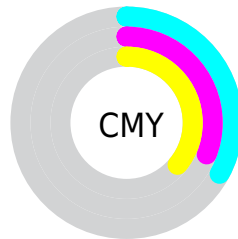
- Red (67%)
- Green (69%)
- Blue (64%)



- Red (64%)
- Yellow (69%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (33%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2771, 0.3172, 0.3456 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 42.2771, 0.3172, 0.3456 by changing the saturation by 10% instead.

■ 42.2771, 0.3172,
0.3456

■ 42.2771, 0.3172,
0.3456

355.6303, 0.3150,
0.3371

■ 29.3183, 0.3178,
0.3478

■ 78.6188, 0.3164,
0.3425

■ 19.3218, 0.3185,
0.3507

■ 102.7706, 0.3161,
0.3413

■ 11.9030, 0.3194,
0.3546

131.4221, 0.3158,
0.3403

■ 6.6777, 0.3208,
0.3602

164.9578, 0.3156,
0.3395

■ 3.2613, 0.3228,
0.3689

203.7621, 0.3154,
0.3388

■ 1.2696, 0.3260,
0.3844

248.2194, 0.3152,

■ 0.1175, 0.0454,

0.3381

0.9546

298.7140, 0.3151,
0.3376

0.0000, 0.0000,
0.0000

42.2771, 0.3172,
0.3456

42.2771, 0.3172,
0.3456

40.7331, 0.3238,
0.3718

43.9792, 0.3106,
0.3216

39.3367, 0.3301,
0.3997

45.8385, 0.3042,
0.2997

38.0847, 0.3358,
0.4290

47.8613, 0.2981,
0.2801

36.9716, 0.3406,
0.4586

50.0518, 0.2923,
0.2625

35.9913, 0.3440,
0.4874

52.4141, 0.2868,
0.2468

■ 35.1375, 0.3456,
0.5140

■ 53.9736, 0.2915,
0.2457

■ 34.4029, 0.3451,
0.5369

■ 55.4168, 0.2983,
0.2474

■ 33.7796, 0.3425,
0.5549

■ 56.9346, 0.3052,
0.2490

■ 33.2566, 0.3380,
0.5675

■ 58.5280, 0.3121,
0.2507

Harmonies

Analogous

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



42.2771, 0.3262, 0.3461



42.2771, 0.3172, 0.3456



42.2771, 0.3071, 0.3404

Triad

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



42.2771, 0.3172, 0.3456



42.2771, 0.2942, 0.3157



42.2771, 0.3269, 0.3258

Complementary

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



42.2771, 0.3172, 0.3456



38.2473, 0.3080, 0.3124

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.



42.2771, 0.3182, 0.3180



42.2771, 0.3172, 0.3456



42.2771, 0.2993, 0.3122

Square

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



42.2771, 0.3172, 0.3456



42.2771, 0.2939, 0.3230



42.2771, 0.3080, 0.3131



42.2771, 0.3319, 0.3346

Rectangle

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



42.2771, 0.3172, 0.3456



42.2771, 0.3011, 0.3350



42.2771, 0.3080, 0.3131



42.2771, 0.3243, 0.3230

Sweetspot

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



42.2789, 0.3172, 0.3456



78.1092, 0.3141, 0.3339



40.6681, 0.3233, 0.3373



16.9349, 0.3140, 0.3336



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



42.2789, 0.3172, 0.3456



76.2836, 0.3181, 0.3490



41.6301, 0.3119, 0.3459



9.6907, 0.3189, 0.3520



24.3221, 0.3372, 0.5704



0.8000, 0.3592, 0.5530

Inverse Universe

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



38.2473, 0.3080, 0.3124



67.6168, 0.3070, 0.3090



38.9265, 0.3135, 0.3127



8.4330, 0.3061, 0.3060



3.8745, 0.2043, 0.0899



0.1566, 0.2356, 0.1072

Previews

White Background



This preview shows how the Yxy color 42.2771, 0.3172, 0.3456 looks on a white background.

Color Contrast Check

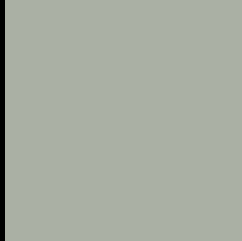
Large Text (above 18pt) WCAG AA × Fail

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 42.2771, 0.3172, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

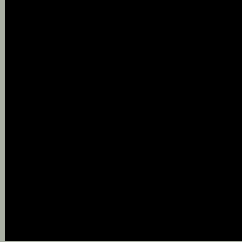
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

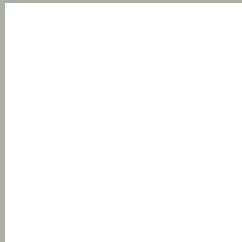
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2771, 0.3172, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 42.2771, 0.3172, 0.3456.



This preview shows how white text looks on a background with the Yxy color 42.2771, 0.3172, 0.3456.

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

42.2771, 0.3172, 0.3456

Protanopia

42.1991, 0.3284, 0.3439

Deuteranopia

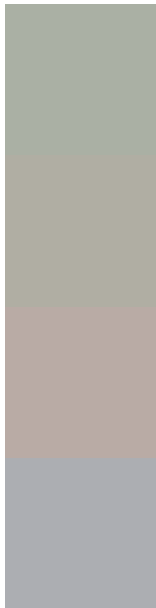
42.2278, 0.3388, 0.3317



Tritanopia

42.3165, 0.3022, 0.3116

Trichromacy



Original Color

42.2771, 0.3172, 0.3456

Protanomaly

42.1466, 0.3237, 0.3441

Deuteranomaly

42.1567, 0.3307, 0.3371

Tritanomaly

42.2571, 0.3077, 0.3236

Monochromacy



Original Color

42.2771, 0.3172, 0.3456

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.9450, 0.3142, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2771, 0.3172, 0.3456 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(170, 176, 164)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 164)  
}
```

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(170, 176, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 164) }
```

Border

The CSS property to change the border of an element to Yxy 42.2771, 0.3172, 0.3456 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(170, 176, 164) }
```

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

```
.border{ border-color:rgb(170, 176, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 164);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2771, 0.3172, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 164) }
```

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

```
.background{ background-color: rgb(170,  
176, 164) }
```

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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