

Converting Colors

$Y_{xy}(45.9956, 0.2985, 0.3217)$

Have a look what the booklet for
Yxy(45.9956, 0.2985, 0.3217)
contains.

| | |
|--|----|
| Yxy(46.1557, 0.2989, 0.3223) | 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(46.1557, 0.2989, 0.3223)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | ABB7BC |
| RGB | 171, 183, 188 |
| RGB Percent | 67%, 72%, 74% |
| CMY | 0.3295, 0.2823, 0.2626 |
| CMYK | 0.09, 0.03, 0.00, 0.26 |
| HSL | 198°, 11%, 70% |
| HSV | 198°, 9%, 74% |
| XYZ | 42.8047, 46.1557, 54.2469 |
| YIQ | 179.9820, -8.7570, -0.9890 |

Conversions

Conversions Part 2

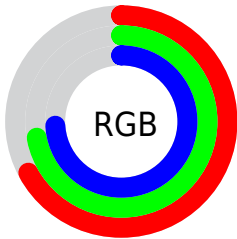
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 171, 178, 188 |
| Decimal | 11253692 |
| CIE Lab | 73.65, -3.15, -3.99 |
| CIE LCh | 74, 5.083, 231.674 |
| Yxy | 46.1557, 0.2989, 0.3223 |
| Android (android.graphics.Color) | 4289443772 (0xFFABB7BC) |
| YUV | 179.9820, 3.9529, -7.8772 |
| Hunter-Lab | 67.9380, -6.4267, 0.2149 |

Details

The Yxy color $46.1557, 0.2989, 0.3223$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.6886, 0.3276, 0.3356$, and the grayscale version is $45.6139, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4334, 0.3013, 0.3238$, and $21.6365, 0.2951, 0.3198$ is the 20% darker color. If you saturate the color by 10%, you get $41.9527, 0.2837, 0.3142$, and if you desaturate by 10%, it is $50.7530, 0.3141, 0.3297$.

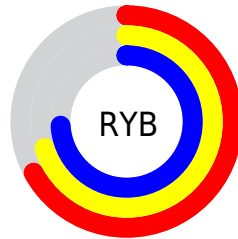
Distribution



Red (67%)

Green (72%)

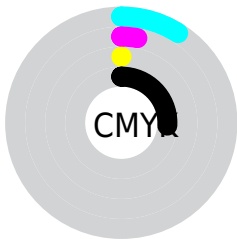
Blue (74%)



Red (67%)

Yellow (70%)

Blue (74%)

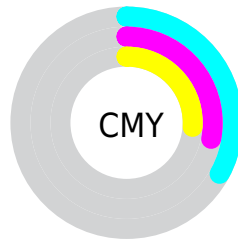


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (26%)



Cyan (33%)

Magenta (28%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1557, 0.2989, 0.3223 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 46.1557, 0.2989, 0.3223 by changing the saturation by 10% instead.

■ 46.1557, 0.2989,
0.3223

■ 46.1557, 0.2989,
0.3223

371.4343, 0.3058,
0.3257

■ 32.3687, 0.2972,
0.3214

■ 84.4520, 0.3014,
0.3235

■ 21.6433, 0.2950,
0.3203

109.7300, 0.3023,
0.3240

■ 13.5950, 0.2920,
0.3188

139.6072, 0.3031,
0.3244

■ 7.8395, 0.2879,
0.3167

174.4680, 0.3038,
0.3247

■ 3.9924, 0.2818,
0.3135

214.6967, 0.3044,
0.3250

■ 1.6693, 0.2717,
0.3081

260.6777, 0.3049,

■ 0.4037, 0.2147,

0.3253

0.2825

312.7954, 0.3054,
0.3255

0.0000, 0.0000,
0.0000

46.1557, 0.2989,
0.3223

46.1557, 0.2989,
0.3223

41.9527, 0.2837,
0.3142

50.7530, 0.3141,
0.3297

38.1246, 0.2687,
0.3053

55.7516, 0.3291,
0.3363

34.6586, 0.2543,
0.2958

61.1657, 0.3437,
0.3421

31.5392, 0.2409,
0.2856

67.0070, 0.3578,
0.3473

28.7494, 0.2287,
0.2750

71.3407, 0.3634,
0.3525

■ 26.2703, 0.2181,
0.2640

■ 74.1374, 0.3620,
0.3581

■ 24.0807, 0.2094,
0.2529

■ 77.0299, 0.3606,
0.3636

■ 22.1559, 0.2026,
0.2418

■ 80.0192, 0.3592,
0.3690

■ 20.4528, 0.1976,
0.2309

■ 83.1062, 0.3578,
0.3744

Harmonies

Analogous

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



46.1557, 0.3008, 0.3284



46.1557, 0.2989, 0.3223



46.1557, 0.3006, 0.3181

Triad

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



46.1557, 0.2989, 0.3223



46.1557, 0.3195, 0.3234



46.1557, 0.3198, 0.3414

Complementary

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



46.1557, 0.2989, 0.3223



44.6886, 0.3276, 0.3356

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.



46.1557, 0.3249, 0.3399



46.1557, 0.2989, 0.3223



46.1557, 0.3248, 0.3294

Square

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



46.1557, 0.2989, 0.3223



46.1557, 0.3125, 0.3188



46.1557, 0.3268, 0.3355



46.1557, 0.3129, 0.3396

Rectangle

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



46.1557, 0.2989, 0.3223



46.1557, 0.3036, 0.3169



46.1557, 0.3268, 0.3355



46.1557, 0.3218, 0.3413

Sweetspot

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



46.1576, 0.2989, 0.3223



88.5466, 0.3081, 0.3268



47.7630, 0.3080, 0.3453



18.8963, 0.3069, 0.3262



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.1576, 0.2989, 0.3223



81.9550, 0.2957, 0.3207



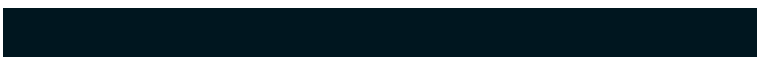
42.8222, 0.2989, 0.3111



10.3216, 0.2985, 0.3221



13.9502, 0.1976, 0.2312



0.6547, 0.2048, 0.2574

Inverse Universe

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



43.2337, 0.3180, 0.3135



75.5594, 0.3193, 0.3097



48.0563, 0.3265, 0.3463



9.6470, 0.3181, 0.3130



8.4380, 0.4113, 0.2040



0.3415, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 46.1557, 0.2989, 0.3223 looks on a white background.

Color Contrast Check

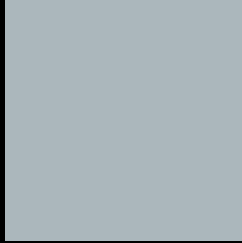
Large Text (above 18pt) WCAG AA × Fail

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 46.1557, 0.2989, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

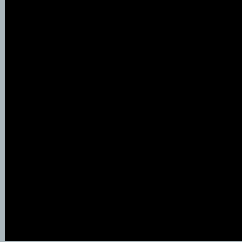
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

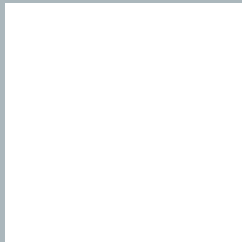
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1557, 0.2989, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 46.1557, 0.2989, 0.3223.



This preview shows how white text looks on a background with the Yxy color 46.1557, 0.2989, 0.3223.

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

46.1557, 0.2989, 0.3223

Protanopia

46.1328, 0.3097, 0.3212

Deuteranopia

45.8470, 0.3171, 0.3102



Tritanopia

46.2121, 0.2938, 0.3107

Trichromacy



Original Color

46.1557, 0.2989, 0.3223

Protanomaly

46.1006, 0.3055, 0.3211

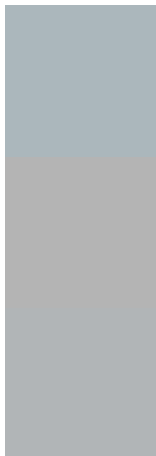
Deuteranomaly

45.9540, 0.3108, 0.3149

Tritanomaly

46.0768, 0.2960, 0.3145

Monochromacy



Original Color

46.1557, 0.2989, 0.3223

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8138, 0.3078, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1557, 0.2989, 0.3223 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(171, 183, 188)` looks like.

```
.text, #text, p{  
    color:rgb(171, 183, 188)  
}
```

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(171, 183, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 183, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.1557, 0.2989, 0.3223 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(171, 183, 188) }
```

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

```
.border{ border-color:rgb(171, 183, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 183, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 183, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 183, 188);  
box-shadow:4px 4px 4px 4px rgb(171, 183,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1557, 0.2989, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 183, 188) }
```

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

```
.background{ background-color: rgb(171,  
183, 188) }
```

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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