

Converting Colors

$Y_{xy}(12.7007, 0.3217, 0.3598)$

Have a look what the booklet for
Yxy(12.7007, 0.3217, 0.3598)
contains.

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Color

Yxy(12.7108, 0.3215, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	606659
RGB	96, 102, 89
RGB Percent	38%, 40%, 35%
CMY	0.6235, 0.6000, 0.6510
CMYK	0.06, 0.00, 0.13, 0.60
HSL	88°, 7%, 37%
HSV	88°, 13%, 40%
XYZ	11.3799, 12.7108, 11.3056
YIQ	98.7240, 0.5970, -5.3150

Conversions

Conversions Part 2

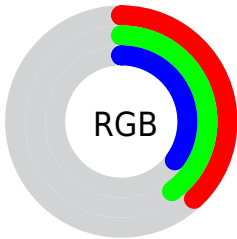
Format	Color
R_{YB}	89, 102, 95
Decimal	6317657
CIE Lab	42.32, -4.96, 6.56
CIE LCh	42, 8.222, 127.120
Yxy	12.7108, 0.3215, 0.3591
Android (android.graphics.Color)	4284507737 (0xFF606659)
YUV	98.7240, -4.7939, -2.3889
Hunter-Lab	35.6522, -5.4156, 6.1553

Details

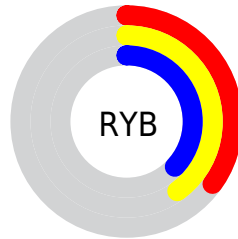
The Yxy color **12.7108, 0.3215, 0.3591** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5367, 0.3031, 0.2988**, and the grayscale version is **12.4175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8496, 0.3197, 0.3512**, and **3.5923, 0.3253, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **12.3046, 0.3283, 0.3847**, and if you desaturate by 10%, it is **13.1571, 0.3146, 0.3352**.

Distribution



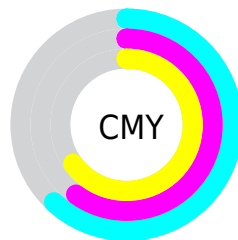
- Red (38%)
- Green (40%)
- Blue (35%)



- Red (35%)
- Yellow (40%)
- Blue (37%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7108, 0.3215, 0.3591 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 12.7108, 0.3215, 0.3591 by changing the saturation by 10% instead.

■ 12.7108, 0.3215,
0.3591

■ 12.7108, 0.3215,
0.3591

■ 209.0558, 0.3163,
0.3406

■ 7.2297, 0.3232,
0.3655

■ 30.7832, 0.3193,
0.3512

■ 3.6062, 0.3257,
0.3755

■ 44.1434, 0.3186,
0.3487

■ 1.4558, 0.3297,
0.3928

■ 60.8986, 0.3180,
0.3466

■ 0.2573, 0.3242,
0.6758

■ 81.4334, 0.3176,
0.3450

■ 0.0000, 0.0000,
0.0000

■ 106.1322, 0.3172,
0.3436

135.3792, 0.3168,

0.3425

169.5590, 0.3165,
0.3415

■ 12.7108, 0.3215,
0.3591

■ 12.7108, 0.3215,
0.3591

■ 12.3046, 0.3283,
0.3847

■ 13.1571, 0.3146,
0.3352

■ 11.9355, 0.3348,
0.4115

■ 13.6429, 0.3078,
0.3132

■ 11.6029, 0.3406,
0.4391

■ 14.1701, 0.3012,
0.2931

■ 11.3053, 0.3453,
0.4665

■ 14.7395, 0.2949,
0.2749

■ 11.0411, 0.3487,
0.4927

■ 15.3522, 0.2890,
0.2585

■ 10.8089, 0.3504,
0.5165

■ 16.0093, 0.2834,
0.2438

■ 10.6067, 0.3500,
0.5367

■ 16.7117, 0.2782,
0.2306

■ 10.4321, 0.3477,
0.5527

■ 17.4602, 0.2734,
0.2187

■ 10.3162, 0.3458,
0.5636

■ 18.2559, 0.2689,
0.2081

Harmonies

Analogous

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



12.7108, 0.3373, 0.3592



12.7108, 0.3215, 0.3591



12.7108, 0.3037, 0.3502

Triad

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



12.7108, 0.3215, 0.3591



12.7108, 0.2798, 0.3059



12.7108, 0.3372, 0.3224

Complementary

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



12.7108, 0.3215, 0.3591



10.5367, 0.3031, 0.2988

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.



12.7108, 0.3212, 0.3091



12.7108, 0.3215, 0.3591



12.7108, 0.2882, 0.2996

Square

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



12.7108, 0.3215, 0.3591



12.7108, 0.2800, 0.3189



12.7108, 0.3032, 0.3009



12.7108, 0.3466, 0.3376

Rectangle

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



12.7108, 0.3215, 0.3591



12.7108, 0.2931, 0.3406



12.7108, 0.3032, 0.3009



12.7108, 0.3324, 0.3176

Sweetspot

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



12.7114, 0.3215, 0.3591



22.9642, 0.3155, 0.3384



11.7036, 0.3324, 0.3424



5.4064, 0.3159, 0.3397



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



12.7114, 0.3215, 0.3591



22.0955, 0.3233, 0.3658



12.3799, 0.3122, 0.3600



3.2085, 0.3189, 0.3498



13.2269, 0.3450, 0.5643



68.4603, 0.3411, 0.5674

Inverse Universe

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



10.5367, 0.3031, 0.2988



17.5556, 0.3008, 0.2920



10.8915, 0.3131, 0.2997



2.8196, 0.3062, 0.3082



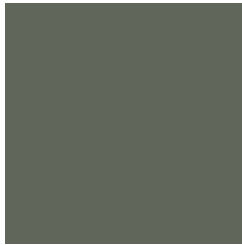
1.9837, 0.1990, 0.0870



9.8365, 0.1932, 0.0838

Previews

White Background



This preview shows how the Yxy color 12.7108, 0.3215, 0.3591 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.7108, 0.3215, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

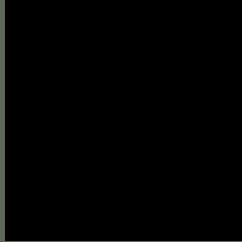
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7108, 0.3215, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 12.7108, 0.3215, 0.3591.



This preview shows how white text looks on a background with the Yxy color 12.7108, 0.3215, 0.3591.

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

12.7108, 0.3215, 0.3591

Protanopia

12.7620, 0.3355, 0.3560

Deuteranopia

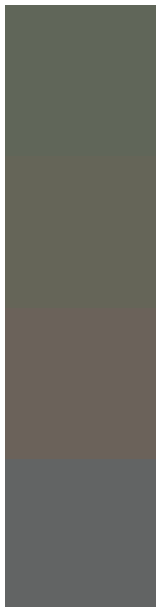
12.6146, 0.3481, 0.3420



Tritanopia

12.6379, 0.3020, 0.3113

Trichromacy



Original Color

12.7108, 0.3215, 0.3591

Protanomaly

12.7786, 0.3306, 0.3586

Deuteranomaly

12.5993, 0.3379, 0.3468

Tritanomaly

12.6311, 0.3098, 0.3290

Monochromacy



Original Color

12.7108, 0.3215, 0.3591

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5372, 0.3166, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7108, 0.3215, 0.3591 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(96, 102, 89) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 89)  
}
```

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(96, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 89) }
```

Border

The CSS property to change the border of an element to Yxy 12.7108, 0.3215, 0.3591 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(96, 102, 89) }
```

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

```
.border{ border-color:rgb(96, 102, 89) }
```

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

Here you see how a box with a 4 pixel rgb(96, 102, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7108, 0.3215, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 89) }
```

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

```
.background{ background-color: rgb(96, 102,  
89) }
```

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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