

Converting Colors

$Y_{xy}(12.7702, 0.3161, 0.3501)$

Have a look what the booklet for
Yxy(12.7702, 0.3161, 0.3501)
contains.

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Color

Yxy(12.7799, 0.3161, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	60665D
RGB	96, 102, 93
RGB Percent	38%, 40%, 36%
CMY	0.6235, 0.6000, 0.6353
CMYK	0.06, 0.00, 0.09, 0.60
HSL	100°, 5%, 38%
HSV	100°, 9%, 40%
XYZ	11.5520, 12.7799, 12.2134
YIQ	99.1800, -0.6870, -4.0710

Conversions

Conversions Part 2

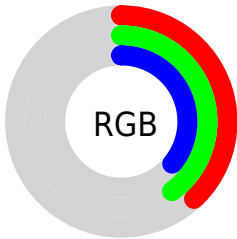
Format	Color
R_{YB}	93, 102, 99
Decimal	6317661
CIE _{Lab}	42.43, -4.18, 4.29
CIE _{LCh}	42, 5.988, 134.286
Yxy	12.7799, 0.3161, 0.3497
Android (android.graphics.Color)	4284507741 (0xFF60665D)
YUV	99.1800, -3.0467, -2.7889
Hunter-Lab	35.7490, -4.8800, 4.7682

Details

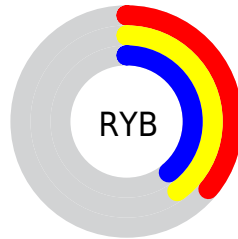
The Yxy color **12.7799, 0.3161, 0.3497** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4397, 0.3090, 0.3086**, and the grayscale version is **12.5338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8766, 0.3150, 0.3448**, and **3.6157, 0.3185, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **12.2593, 0.3198, 0.3753**, and if you desaturate by 10%, it is **13.3575, 0.3123, 0.3264**.

Distribution



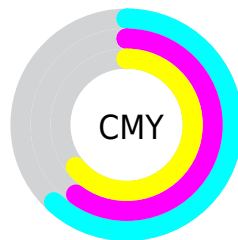
- Red (38%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7799, 0.3161, 0.3497 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 12.7799, 0.3161, 0.3497 by changing the saturation by 10% instead.

■ 12.7799, 0.3161,
0.3497

■ 12.7799, 0.3161,
0.3497

■ 209.5022, 0.3141,
0.3370

■ 7.2772, 0.3167,
0.3541

■ 30.9078, 0.3153,
0.3443

■ 3.6360, 0.3177,
0.3609

■ 44.3017, 0.3150,
0.3426

■ 1.4721, 0.3191,
0.3726

■ 61.0949, 0.3148,
0.3412

■ 0.2690, 0.3635,
0.6365

■ 81.6716, 0.3146,
0.3400

■ 0.0000, 0.0000,
0.0000

■ 106.4163, 0.3144,
0.3391

■ 135.7134, 0.3143,

0.3383

169.9472, 0.3142,
0.3376

■ 12.7799, 0.3161,
0.3497

■ 12.7799, 0.3161,
0.3497

■ 12.2593, 0.3198,
0.3753

■ 13.3575, 0.3123,
0.3264

■ 11.7922, 0.3232,
0.4030

■ 13.9921, 0.3084,
0.3054

■ 11.3775, 0.3262,
0.4322

■ 14.6858, 0.3047,
0.2866

■ 11.0131, 0.3283,
0.4623

■ 15.4403, 0.3011,
0.2698

■ 10.6969, 0.3295,
0.4921

■ 16.2568, 0.2977,
0.2550

■ 10.4268, 0.3293,
0.5202

■ 17.1369, 0.2945,
0.2418

■ 10.2002, 0.3278,
0.5449

■ 18.0819, 0.2915,
0.2301

■ 10.0145, 0.3248,
0.5648

■ 19.0932, 0.2886,
0.2197

■ 9.8618, 0.3213,
0.5814

■ 20.1721, 0.2860,
0.2105

Harmonies

Analogous

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



12.7799, 0.3282, 0.3515



12.7799, 0.3161, 0.3497



12.7799, 0.3033, 0.3420

Triad

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



12.7799, 0.3161, 0.3497



12.7799, 0.2896, 0.3107



12.7799, 0.3327, 0.3269

Complementary

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



12.7799, 0.3161, 0.3497



11.4397, 0.3090, 0.3086

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.



12.7799, 0.3220, 0.3165



12.7799, 0.3161, 0.3497



12.7799, 0.2971, 0.3072

Square

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



12.7799, 0.3161, 0.3497



12.7799, 0.2882, 0.3192



12.7799, 0.3089, 0.3094



12.7799, 0.3379, 0.3380

Rectangle

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



12.7799, 0.3161, 0.3497



12.7799, 0.2960, 0.3347



12.7799, 0.3089, 0.3094



12.7799, 0.3296, 0.3232

Sweetspot

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



12.7805, 0.3161, 0.3497



22.9829, 0.3139, 0.3360



12.5102, 0.3256, 0.3422



5.4058, 0.3142, 0.3376



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.



12.7805, 0.3161, 0.3497



22.1776, 0.3170, 0.3559



12.6442, 0.3099, 0.3468



3.1830, 0.3161, 0.3499



12.6248, 0.3200, 0.5841



65.4081, 0.3162, 0.5871

Inverse Universe

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



11.4397, 0.3090, 0.3086



19.2097, 0.3079, 0.3026



11.5860, 0.3156, 0.3119



2.8455, 0.3090, 0.3084



2.7818, 0.2412, 0.1103



14.0157, 0.2367, 0.1077

Previews

White Background



This preview shows how the Yxy color 12.7799, 0.3161, 0.3497 looks on a white background.

Color Contrast Check

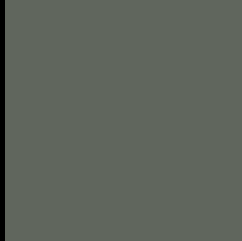
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7799, 0.3161, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

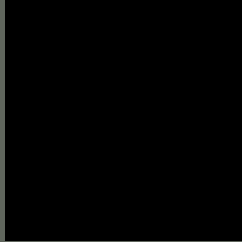
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

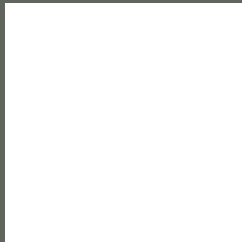
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.7799, 0.3161, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 12.7799, 0.3161, 0.3497.



This preview shows how white text looks on a background with the Yxy color 12.7799, 0.3161, 0.3497.

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

12.7799, 0.3161, 0.3497

Protanopia

12.8301, 0.3298, 0.3469

Deuteranopia

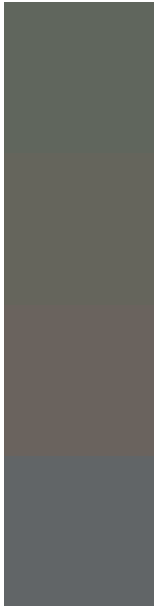
12.8023, 0.3401, 0.3355



Tritanopia

12.7937, 0.2993, 0.3113

Trichromacy



Original Color

12.7799, 0.3161, 0.3497

Protanomaly

12.8468, 0.3250, 0.3493

Deuteranomaly

12.7960, 0.3302, 0.3401

Tritanomaly

12.8280, 0.3043, 0.3245

Monochromacy



Original Color

12.7799, 0.3161, 0.3497

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5741, 0.3139, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7799, 0.3161, 0.3497 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, 93) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 93) }
```

Border

The CSS property to change the border of an element to Yxy 12.7799, 0.3161, 0.3497 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, 93) }
```

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

```
.border{ border-color:rgb(96, 102, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7799, 0.3161, 0.3497 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, 93) }
```

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

```
.background{ background-color: rgb(96, 102,  
93) }
```

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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