

Converting Colors

$Y_{xy}(12.6396, 0.2327, 0.2286)$

Have a look what the booklet for
Yxy(12.6396, 0.2327, 0.2286)
contains.

Yxy(12.6396, 0.2327, 0.2286)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6396, 0.2327, 0.2286)

Conversions

Conversions Part 1

Format	Color
Hex	4D6394
RGB	77, 99, 148
RGB Percent	30%, 39%, 58%
CMY	0.6982, 0.6117, 0.4195
CMYK	0.48, 0.33, 0.00, 0.42
HSL	221°, 32%, 44%
HSV	221°, 48%, 58%
XYZ	12.8663, 12.6396, 29.7854
YIQ	98.0080, -28.8410, 10.5750

Conversions

Conversions Part 2

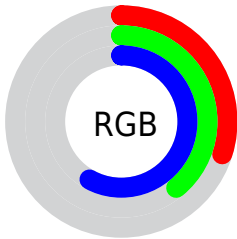
Format	Color
R_{YB}	77, 94, 148
Decimal	5071764
CIE _{Lab}	42.22, 5.80, -29.46
CIE _{LCh}	42, 30.026, 281.141
Yxy	12.6396, 0.2327, 0.2286
Android (android.graphics.Color)	4283261844 (0xFF4D6394)
YUV	98.0080, 24.6461, -18.4240
Hunter-Lab	35.5522, 2.3825, -24.7863

Details

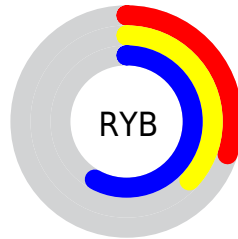
The Yxy color **12.6396, 0.2327, 0.2286** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.7471, 0.3975, 0.4114**, and the grayscale version is **12.1577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8228, 0.2527, 0.2531**, and **3.5914, 0.1973, 0.1873** is the 20% darker color. If you saturate the color by 10%, you get **10.2793, 0.2153, 0.2031**, and if you desaturate by 10%, it is **15.3855, 0.2504, 0.2530**.

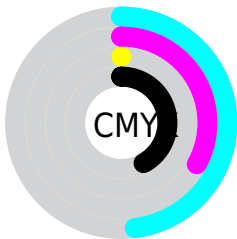
Distribution



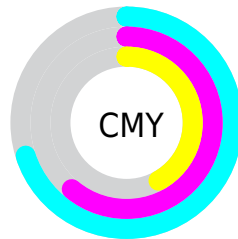
- Red (30%)
- Green (39%)
- Blue (58%)



- Red (30%)
- Yellow (37%)
- Blue (58%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (42%)



- Cyan (70%)
- Magenta (61%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.6396, 0.2327, 0.2286 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 12.6396, 0.2327, 0.2286 by changing the saturation by 10% instead.

■ 12.6396, 0.2327,
0.2286

■ 12.6396, 0.2327,
0.2286

■ 208.5948, 0.2801,
0.2868

■ 7.1808, 0.2179,
0.2111

■ 30.6548, 0.2520,
0.2519

■ 3.5755, 0.1969,
0.1868

■ 43.9800, 0.2586,
0.2600

■ 1.4390, 0.1656,
0.1515

■ 60.6961, 0.2639,
0.2665

■ 0.2452, 0.1016,
0.0665

■ 81.1876, 0.2683,
0.2720

■ 0.0000, 0.0000,
0.0000

■ 105.8388, 0.2719,
0.2766

135.0342, 0.2751,

0.2805

169.1580, 0.2777,
0.2838

■ 12.6396, 0.2327,
0.2286

■ 12.6396, 0.2327,
0.2286

■ 10.2793, 0.2153,
0.2031

■ 15.3855, 0.2504,
0.2530

■ 8.2845, 0.1991,
0.1773

■ 18.5330, 0.2680,
0.2758

■ 6.6351, 0.1848,
0.1523

■ 22.0987, 0.2848,
0.2967

■ 5.3083, 0.1731,
0.1292

■ 26.0979, 0.3008,
0.3155

■ 4.2685, 0.1642,
0.1088

■ 30.5451, 0.3156,
0.3322

■ 4.0868, 0.1625,
0.1051

■ 35.4541, 0.3292,
0.3469

■ 40.8380, 0.3417,
0.3599

■ 46.7094, 0.3530,
0.3712

■ 53.0805, 0.3632,
0.3811

Harmonies

Analogous

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



12.6396, 0.2037, 0.2413



12.6396, 0.2327, 0.2286



12.6396, 0.2843, 0.2383

Triad

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



12.6396, 0.2327, 0.2286



12.6396, 0.4405, 0.3577



12.6396, 0.2688, 0.4056

Complementary

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



12.6396, 0.2327, 0.2286



21.7471, 0.3975, 0.4114

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.



12.6396, 0.3304, 0.4445



12.6396, 0.2327, 0.2286



12.6396, 0.4319, 0.4055

Square

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



12.6396, 0.2327, 0.2286



12.6396, 0.4097, 0.3089



12.6396, 0.3903, 0.4405



12.6396, 0.2221, 0.3399

Rectangle

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



12.6396, 0.2327, 0.2286



12.6396, 0.3275, 0.2555



12.6396, 0.3903, 0.4405



12.6396, 0.2885, 0.4230

Sweetspot

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



12.6401, 0.2327, 0.2286



41.5195, 0.2909, 0.3039



24.2553, 0.2675, 0.3733



9.1674, 0.2877, 0.3001



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.6401, 0.2327, 0.2286



17.6948, 0.2134, 0.2001



9.6142, 0.2392, 0.1883



5.9091, 0.2989, 0.3133



3.5340, 0.1628, 0.1062



0.0911, 0.1853, 0.1870

Inverse Universe

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



12.5009, 0.3987, 0.2911



18.1257, 0.4311, 0.2839



26.8706, 0.3663, 0.4491



5.8433, 0.3237, 0.3222



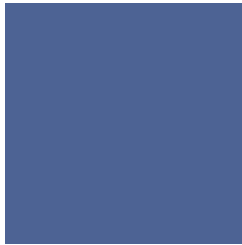
5.5501, 0.5666, 0.2895



0.0728, 0.4603, 0.2309

Previews

White Background



This preview shows how the Yxy color 12.6396, 0.2327, 0.2286 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 12.6396, 0.2327, 0.2286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

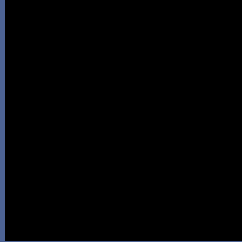
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

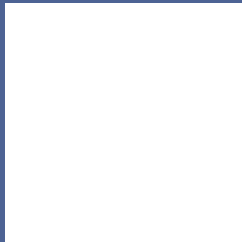
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.6396, 0.2327, 0.2286

Background



This preview shows how black text looks on a background with the Yxy color 12.6396, 0.2327, 0.2286.

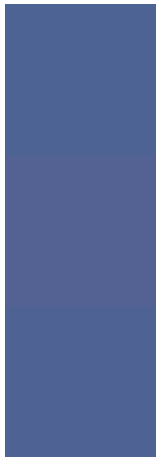


This preview shows how white text looks on a background with the Yxy color 12.6396, 0.2327, 0.2286.

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

12.6396, 0.2327, 0.2286

Protanopia

12.6809, 0.2390, 0.2296

Deuteranopia

12.6815, 0.2337, 0.2289



Tritanopia

12.7163, 0.2560, 0.3098

Trichromacy



Original Color

12.6396, 0.2327, 0.2286

Protanomaly

12.5913, 0.2370, 0.2291

Deuteranomaly

12.6815, 0.2337, 0.2289

Tritanomaly

12.5464, 0.2474, 0.2768

Monochromacy



Original Color

12.6396, 0.2327, 0.2286

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1700, 0.2784, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6396, 0.2327, 0.2286 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(77, 99, 148)` looks like.

```
.text, #text, p{  
    color:rgb(77, 99, 148)  
}
```

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(77, 99, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 99, 148) }
```

Border

The CSS property to change the border of an element to Yxy 12.6396, 0.2327, 0.2286 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(77, 99, 148) }
```

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

```
.border{ border-color:rgb(77, 99, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 99, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 99, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 99, 148);  
box-shadow:4px 4px 4px 4px rgb(77, 99,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6396, 0.2327, 0.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 99, 148) }
```

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

```
.background{ background-color: rgb(77, 99,  
148) }
```

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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