

Converting Colors

$Y_{xy}(11.3930, 0.2599, 0.3587)$

Have a look what the booklet for
Yxy(11.3930, 0.2599, 0.3587)
contains.

Yxy(11.3691, 0.2598, 0.3583)	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(11.3691, 0.2598, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	32685D
RGB	50, 104, 93
RGB Percent	20%, 41%, 36%
CMY	0.8037, 0.5922, 0.6353
CMYK	0.52, 0.00, 0.11, 0.59
HSL	168°, 35%, 30%
HSV	168°, 52%, 41%
XYZ	8.2436, 11.3691, 12.1179
YIQ	86.6000, -28.6530, -14.8690

Conversions

Conversions Part 2

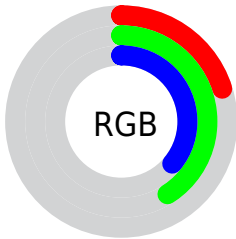
Format	Color
RYB	50, 80, 104
Decimal	3303517
CIELab	40.20, -20.90, 0.69
CIELCh	40, 20.908, 178.120
Yxy	11.3691, 0.2598, 0.3583
Android (android.graphics.Color)	4281493597 (0xFF32685D)
YUV	86.6000, 3.1552, -32.0982
Hunter-Lab	33.7181, -15.3658, 2.2944

Details

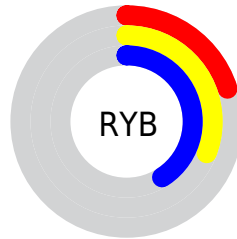
The Yxy color **11.3691, 0.2598, 0.3583** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.5657, 0.4193, 0.3033**, and the grayscale version is **9.4412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1926, 0.2738, 0.3502**, and **3.0336, 0.2369, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **11.0973, 0.2531, 0.3650**, and if you desaturate by 10%, it is **11.7030, 0.2679, 0.3519**.

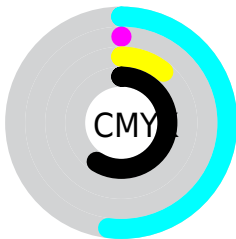
Distribution



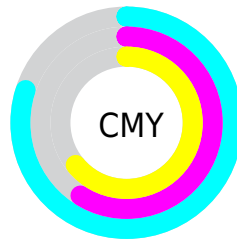
- Red (20%)
- Green (41%)
- Blue (36%)



- Red (20%)
- Yellow (31%)
- Blue (41%)



- Cyan (52%)
- Magenta (0%)
- Yellow (11%)
- Black (59%)



- Cyan (80%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3691, 0.2598, 0.3583 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 11.3691, 0.2598, 0.3583 by changing the saturation by 10% instead.

11.3691, 0.2598,
0.3583

11.3691, 0.2598,
0.3583

200.1826, 0.2923,
0.3403

6.3157, 0.2485,
0.3646

28.3407, 0.2736,
0.3506

3.0380, 0.2312,
0.3744

41.0277, 0.2781,
0.3481

1.1516, 0.1932,
0.3955

57.0279, 0.2817,
0.3461

0.0216, 0.0000,
1.0000

76.7259, 0.2846,
0.3445

0.0000, 0.0000,
0.0000

100.5059, 0.2870,
0.3432

128.7525, 0.2891,

0.3420

161.8499, 0.2908,
0.3411

■ 11.3691, 0.2598,
0.3583

■ 11.3691, 0.2598,
0.3583

■ 11.0973, 0.2531,
0.3650

■ 11.7030, 0.2679,
0.3519

■ 10.8820, 0.2480,
0.3719

■ 12.1012, 0.2773,
0.3457

■ 10.7191, 0.2447,
0.3789

■ 12.5679, 0.2877,
0.3400

■ 10.6028, 0.2430,
0.3859

■ 13.1060, 0.2988,
0.3347

■ 10.5214, 0.2421,
0.3917

■ 13.7186, 0.3105,
0.3299

■ 14.4086, 0.3225,
0.3255

■ 15.1786, 0.3345,
0.3215

■ 16.0311, 0.3466,
0.3180

■ 16.9686, 0.3585,
0.3149

Harmonies

Analogous

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



11.3691, 0.3009, 0.3978



11.3691, 0.2598, 0.3583



11.3691, 0.2338, 0.3120

Triad

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



11.3691, 0.2598, 0.3583



11.3691, 0.2741, 0.2559



11.3691, 0.4054, 0.3732

Complementary

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



11.3691, 0.2598, 0.3583



5.5657, 0.4193, 0.3033

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.



11.3691, 0.3983, 0.3363



11.3691, 0.2598, 0.3583



11.3691, 0.3193, 0.2717

Square

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



11.3691, 0.2598, 0.3583



11.3691, 0.2417, 0.2565



11.3691, 0.3658, 0.3003



11.3691, 0.3859, 0.4026

Rectangle

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



11.3691, 0.2598, 0.3583



11.3691, 0.2274, 0.2859



11.3691, 0.3658, 0.3003



11.3691, 0.4062, 0.3612

Sweetspot

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



11.3695, 0.2598, 0.3583



22.5474, 0.2937, 0.3371



11.1461, 0.3201, 0.4759



5.4675, 0.2920, 0.3379



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.3695, 0.2598, 0.3583



19.3930, 0.2520, 0.3663



8.7755, 0.2411, 0.2873



3.1761, 0.3023, 0.3332



12.9665, 0.2424, 0.3925



67.4997, 0.2435, 0.3966

Inverse Universe

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



5.5657, 0.4193, 0.3033



7.9848, 0.4598, 0.2992



6.9927, 0.4284, 0.3656



2.8547, 0.3243, 0.3248



3.6913, 0.5971, 0.3063



19.1461, 0.6101, 0.3134

Previews

White Background



This preview shows how the Yxy color 11.3691, 0.2598, 0.3583 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 11.3691, 0.2598, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

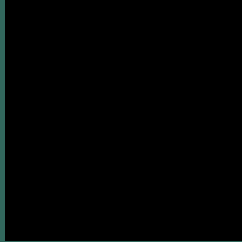
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3691, 0.2598, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 11.3691, 0.2598, 0.3583.



This preview shows how white text looks on a background with the Yxy color 11.3691, 0.2598, 0.3583.

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

11.3691, 0.2598, 0.3583

Protanopia

11.2902, 0.3293, 0.3455

Deuteranopia

11.2103, 0.3244, 0.3177



Tritanopia

11.4408, 0.2467, 0.3087

Trichromacy



Original Color

11.3691, 0.2598, 0.3583

Protanomaly

11.2060, 0.3000, 0.3515

Deuteranomaly

11.0768, 0.2963, 0.3314

Tritanomaly

11.4569, 0.2511, 0.3262

Monochromacy



Original Color

11.3691, 0.2598, 0.3583

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.0058, 0.2897, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3691, 0.2598, 0.3583 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(50, 104, 93) looks like.

```
.text, #text, p{  
    color:rgb(50, 104, 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(50, 104, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 104, 93) }
```

Border

The CSS property to change the border of an element to Yxy 11.3691, 0.2598, 0.3583 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(50, 104, 93) }
```

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

```
.border{ border-color:rgb(50, 104, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 104, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 104, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 104, 93);  
box-shadow:4px 4px 4px 4px rgb(50, 104,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3691, 0.2598, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 104, 93) }
```

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

```
.background{ background-color: rgb(50, 104,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor