

Converting Colors

$Y_{xy}(37.3628, 0.2455, 0.3972)$

Have a look what the booklet for
Yxy(37.3628, 0.2455, 0.3972)
contains.

Yxy(37.3628, 0.2455, 0.3972)	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(37.3628, 0.2455, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	13BA93
RGB	19, 186, 147
RGB Percent	7%, 73%, 58%
CMY	0.9261, 0.2706, 0.4234
CMYK	0.90, 0.00, 0.21, 0.27
HSL	166°, 82%, 40%
HSV	166°, 90%, 73%
XYZ	23.0931, 37.3628, 33.6096
YIQ	131.6210, -87.0130, -47.5330

Conversions

Conversions Part 2

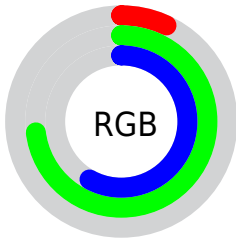
Format	Color
RYB	19, 114, 186
Decimal	1292947
CIELab	67.55, -48.12, 8.88
CIELCh	68, 48.938, 169.541
Yxy	37.3628, 0.2455, 0.3972
Android (android.graphics.Color)	4279483027 (0xFF13BA93)
YUV	131.6210, 7.5818, -98.7686
Hunter-Lab	61.1251, -39.5317, 10.1870

Details

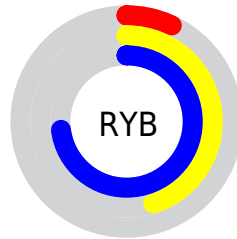
The Yxy color **37.3628, 0.2455, 0.3972** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.2036, 0.5669, 0.2990**, and the grayscale version is **22.9103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0849, 0.2585, 0.3832**, and **17.3471, 0.2492, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **37.0953, 0.2461, 0.4057**, and if you desaturate by 10%, it is **37.7677, 0.2465, 0.3886**.

Distribution



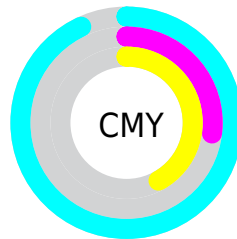
- Red (7%)
- Green (73%)
- Blue (58%)



- Red (7%)
- Yellow (45%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (21%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3628, 0.2455, 0.3972 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 37.3628, 0.2455, 0.3972 by changing the saturation by 10% instead.

 37.3628, 0.2455,
0.3972

 37.3628, 0.2455,
0.3972


334.8786, 0.2807,
0.3606

 25.4885, 0.2362,
0.4072


 71.1304, 0.2587,
0.3833

 16.4414, 0.2239,
0.4207


 93.7925, 0.2635,
0.3782

 9.8370, 0.2072,
0.4395


 120.8194, 0.2676,
0.3740

 5.2910, 0.1829,
0.4679

 152.5954, 0.2710,
0.3705

 2.4190, 0.1433,
0.5160

 189.5049, 0.2740,
0.3675

 0.8356, 0.0000,
0.7432

231.9324, 0.2765,

 0.0000, 0.0000,

0.3649

0.0000

280.2621, 0.2788,
0.3626

■ 37.3628, 0.2455,
0.3972

■ 37.3628, 0.2455,
0.3972

■ 37.0953, 0.2461,
0.4057

■ 37.7677, 0.2465,
0.3886

■ 37.0921, 0.2461,
0.4058

■ 38.3520, 0.2494,
0.3800

■ 39.1407, 0.2542,
0.3716

■ 40.1536, 0.2609,
0.3633

■ 41.4080, 0.2692,
0.3554

■ 42.9198, 0.2788,
0.3480

■ 44.7032, 0.2894,
0.3411

■ 46.7715, 0.3009,
0.3347

■ 49.1372, 0.3129,
0.3289

Harmonies

Analogous

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



37.3628, 0.3113, 0.4544



37.3628, 0.2455, 0.3972



37.3628, 0.2011, 0.3191

Triad

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



37.3628, 0.2455, 0.3972



37.3628, 0.2365, 0.2178



37.3628, 0.4589, 0.3747

Complementary

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



37.3628, 0.2455, 0.3972



11.2036, 0.5669, 0.2990

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.



37.3628, 0.4369, 0.3202



37.3628, 0.2455, 0.3972



37.3628, 0.3000, 0.2350

Square

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



37.3628, 0.2455, 0.3972



37.3628, 0.1974, 0.2239



37.3628, 0.3755, 0.2712



37.3628, 0.4362, 0.4266

Rectangle

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



37.3628, 0.2455, 0.3972



37.3628, 0.1873, 0.2746



37.3628, 0.3755, 0.2712



37.3628, 0.4568, 0.3564

Sweetspot

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



37.3643, 0.2455, 0.3972



78.5279, 0.2813, 0.3463



36.0613, 0.3130, 0.5815



17.0654, 0.2777, 0.3487



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.



37.3643, 0.2455, 0.3972



67.1885, 0.2464, 0.4072



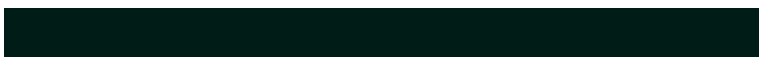
22.8582, 0.2047, 0.2499



10.1738, 0.3015, 0.3344



24.9649, 0.2458, 0.4047



0.8889, 0.2397, 0.3828

Inverse Universe

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



11.2036, 0.5669, 0.2990



19.2118, 0.6020, 0.3090



14.0875, 0.5771, 0.3667



9.0456, 0.3252, 0.3237



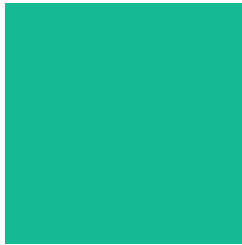
7.1521, 0.5951, 0.3052



0.2619, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 37.3628, 0.2455, 0.3972 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 37.3628, 0.2455, 0.3972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

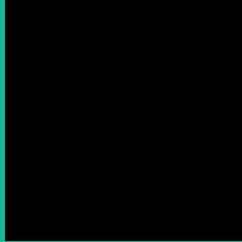
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3628, 0.2455, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 37.3628, 0.2455, 0.3972.



This preview shows how white text looks on a background with the Yxy color 37.3628, 0.2455, 0.3972.

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

37.3628, 0.2455, 0.3972

Protanopia

36.7143, 0.3470, 0.3694

Deuteranopia

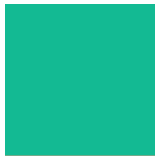
36.8209, 0.3422, 0.3360



Tritanopia

37.4674, 0.2281, 0.3068

Trichromacy



Original Color

37.3628, 0.2455, 0.3972



Protanomaly

34.7029, 0.2908, 0.3819



Deuteranomaly

34.4506, 0.2871, 0.3564



Tritanomaly

37.1657, 0.2331, 0.3370

Monochromacy



Original Color

37.3628, 0.2455, 0.3972



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4868, 0.2701, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3628, 0.2455, 0.3972 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(19, 186, 147)` looks like.

```
.text, #text, p{  
    color:rgb(19, 186, 147)  
}
```

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(19, 186, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 186, 147) }
```

Border

The CSS property to change the border of an element to Yxy 37.3628, 0.2455, 0.3972 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(19, 186, 147) }
```

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

```
.border{ border-color:rgb(19, 186, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 186, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 186, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 186, 147);  
box-shadow:4px 4px 4px 4px rgb(19, 186,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3628, 0.2455, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 186, 147) }
```

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

```
.background{ background-color: rgb(19, 186,  
147) }
```

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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