

Converting Colors

$Yxy(37.5333, 0.2522, 0.3164)$

Have a look what the booklet for
Yxy(37.5333, 0.2522, 0.3164)
contains.

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Color

Yxy(37.4544, 0.2525, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	68B0B8
RGB	104, 176, 184
RGB Percent	41%, 69%, 72%
CMY	0.5924, 0.3098, 0.2784
CMYK	0.44, 0.04, 0.00, 0.28
HSL	186°, 36%, 56%
HSV	186°, 44%, 72%
XYZ	29.8807, 37.4544, 51.0043
YIQ	155.3840, -45.4800, -12.7760

Conversions

Conversions Part 2

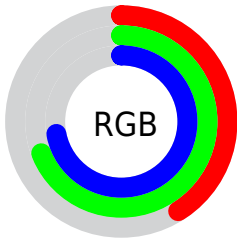
Format	Color
RYB	104, 142, 184
Decimal	6860984
CIELab	67.62, -20.44, -11.16
CIElCh	68, 23.284, 208.639
Yxy	37.4544, 0.2525, 0.3165
Android (android.graphics.Color)	4285051064 (0xFF68B0B8)
YUV	155.3840, 14.1077, -45.0638
Hunter-Lab	61.2000, -19.9480, -6.5725

Details

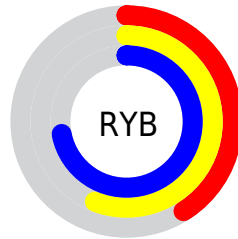
The Yxy color **37.4544, 0.2525, 0.3165** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.7623, 0.4199, 0.3407**, and the grayscale version is **32.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3754, 0.2636, 0.3195**, and **16.4330, 0.2347, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **35.7575, 0.2419, 0.3132**, and if you desaturate by 10%, it is **39.4041, 0.2646, 0.3197**.

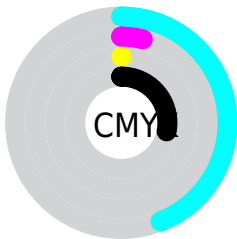
Distribution



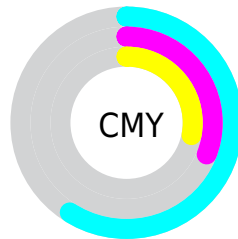
- Red (41%)
- Green (69%)
- Blue (72%)



- Red (41%)
- Yellow (56%)
- Blue (72%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)



- Cyan (59%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4544, 0.2525, 0.3165 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 37.4544, 0.2525, 0.3165 by changing the saturation by 10% instead.


 37.4544, 0.2525,
0.3165


 37.4544, 0.2525,
0.3165


335.2737, 0.2831,
0.3236

 25.5595, 0.2447,
0.3144


 71.2711, 0.2637,
0.3193

 16.4944, 0.2347,
0.3116


 93.9617, 0.2679,
0.3203

 9.8747, 0.2213,
0.3074


 121.0197, 0.2714,
0.3211

 5.3159, 0.2026,
0.3010

 152.8294, 0.2744,
0.3218

 2.4338, 0.1747,
0.2899

189.7752, 0.2770,
0.3224

 0.8432, 0.0993,
0.2768

232.2416, 0.2793,

 0.0000, 0.0000,

0.3228

0.0000

280.6130, 0.2813,
0.3233

■ 37.4544, 0.2525,
0.3165

■ 37.4544, 0.2525,
0.3165

■ 35.7575, 0.2419,
0.3132

■ 39.4041, 0.2646,
0.3197

■ 34.2932, 0.2330,
0.3098

■ 41.6168, 0.2780,
0.3227

■ 33.0454, 0.2260,
0.3064


■ 44.1070, 0.2923,
0.3255

■ 31.9935, 0.2208,
0.3029

■ 46.8873, 0.3073,
0.3281


■ 31.1132, 0.2175,
0.2995

■ 49.9691, 0.3227,
0.3305

 30.6015, 0.2159,
0.2974

 53.3634, 0.3383,
0.3327

 57.0807, 0.3537,
0.3346

 61.1307, 0.3688,
0.3363

 62.6597, 0.3715,
0.3381

Harmonies

Analogous

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



37.4544, 0.2726, 0.3503



37.4544, 0.2525, 0.3165



37.4544, 0.2478, 0.2888

Triad

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



37.4544, 0.2525, 0.3165



37.4544, 0.3187, 0.2854



37.4544, 0.3677, 0.3851

Complementary

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



37.4544, 0.2525, 0.3165



22.7623, 0.4199, 0.3407

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.



37.4544, 0.3821, 0.3640



37.4544, 0.2525, 0.3165



37.4544, 0.3531, 0.3079

Square

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



37.4544, 0.2525, 0.3165



37.4544, 0.2844, 0.2731



37.4544, 0.3768, 0.3360



37.4544, 0.3387, 0.3917

Rectangle

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



37.4544, 0.2525, 0.3165



37.4544, 0.2536, 0.2772



37.4544, 0.3768, 0.3360



37.4544, 0.3745, 0.3793

Sweetspot

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



37.4559, 0.2525, 0.3165



80.0924, 0.2928, 0.3256



38.3617, 0.3021, 0.4512



17.0421, 0.2895, 0.3250



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.4559, 0.2525, 0.3165



65.0011, 0.2425, 0.3134



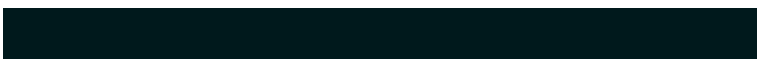
24.3768, 0.2418, 0.2525



10.0533, 0.2985, 0.3266



21.1477, 0.2161, 0.2978



0.7901, 0.2185, 0.3065

Inverse Universe

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



23.2143, 0.3268, 0.2331



36.3073, 0.3304, 0.2147



33.2080, 0.3951, 0.3943



9.1469, 0.3152, 0.3087



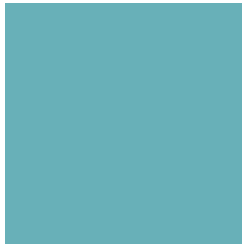
8.9172, 0.3474, 0.1687



0.3189, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 37.4544, 0.2525, 0.3165 looks on a white background.

Color Contrast Check

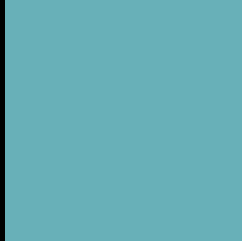
Large Text (above 18pt) WCAG AA × Fail

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 37.4544, 0.2525, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

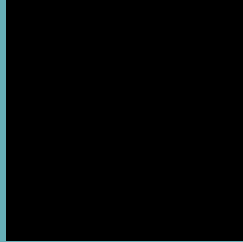
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4544, 0.2525, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 37.4544, 0.2525, 0.3165.

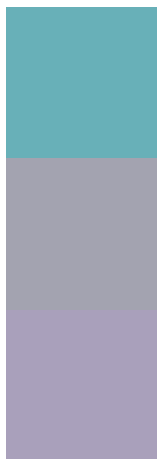


This preview shows how white text looks on a background with the Yxy color 37.4544, 0.2525, 0.3165.

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

37.4544, 0.2525, 0.3165

Protanopia

37.1155, 0.3016, 0.3106

Deuteranopia

37.1645, 0.2978, 0.2920



Tritanopia

37.3373, 0.2499, 0.3075

Trichromacy



Original Color

37.4544, 0.2525, 0.3165

Protanomaly

37.0107, 0.2813, 0.3127

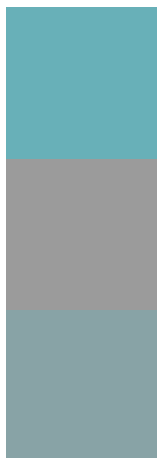
Deuteranomaly

36.8373, 0.2784, 0.3000

Tritanomaly

37.2511, 0.2511, 0.3104

Monochromacy



Original Color

37.4544, 0.2525, 0.3165

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1818, 0.2859, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4544, 0.2525, 0.3165 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(104, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(104, 176, 184)  
}
```

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(104, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 176, 184) }
```

Border

The CSS property to change the border of an element to Yxy 37.4544, 0.2525, 0.3165 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(104, 176, 184) }
```

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

```
.border{ border-color:rgb(104, 176, 184) }
```

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

Here you see how a box with a 4 pixel rgb(104, 176, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(104, 176,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4544, 0.2525, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 176, 184) }
```

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

```
.background{ background-color: rgb(104,  
176, 184) }
```

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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