

Converting Colors

$Yxy(31.8986, 0.2326, 0.2993)$

Have a look what the booklet for
Yxy(31.8986, 0.2326, 0.2993)
contains.

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Color

Yxy(32.0691, 0.2332, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	48A6B7
RGB	72, 166, 183
RGB Percent	28%, 65%, 72%
CMY	0.7172, 0.3491, 0.2823
CMYK	0.61, 0.09, 0.00, 0.28
HSL	189°, 44%, 50%
HSV	189°, 61%, 72%
XYZ	24.8621, 32.0691, 49.6815
YIQ	139.8320, -61.4810, -14.6410

Conversions

Conversions Part 2

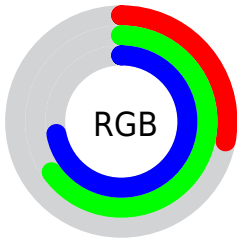
Format	Color
RYB	72, 123, 183
Decimal	4761271
CIELab	63.40, -22.47, -17.08
CIELCh	63, 28.224, 217.229
Yxy	32.0691, 0.2332, 0.3008
Android (android.graphics.Color)	4282951351 (0xFF48A6B7)
YUV	139.8320, 21.2818, -59.4887
Hunter-Lab	56.6296, -20.7349, -12.3748

Details

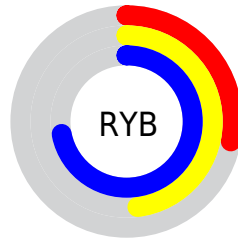
The Yxy color **32.0691, 0.2332, 0.3008** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.7026, 0.4831, 0.3521**, and the grayscale version is **26.1020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7702, 0.2482, 0.3067**, and **13.6463, 0.2141, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **30.4577, 0.2249, 0.2954**, and if you desaturate by 10%, it is **33.9146, 0.2433, 0.3061**.

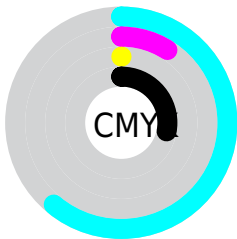
Distribution



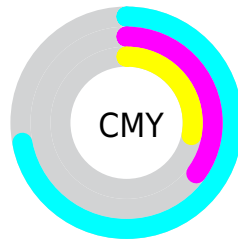
- Red (28%)
- Green (65%)
- Blue (72%)



- Red (28%)
- Yellow (48%)
- Blue (72%)



- Cyan (61%)
- Magenta (9%)
- Yellow (0%)
- Black (28%)





- Cyan (72%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0691, 0.2332, 0.3008 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 32.0691, 0.2332, 0.3008 by changing the saturation by 10% instead.


 32.0691, 0.2332,
0.3008


 32.0691, 0.2332,
0.3008

311.4339, 0.2742,
0.3168


 21.4143, 0.2227,
0.2962


 62.9194, 0.2483,
0.3071

 13.4272, 0.2091,
0.2898


 83.8837, 0.2539,
0.3093

 7.7233, 0.1909,
0.2806


 109.0532, 0.2586,
0.3111

 3.9184, 0.1654,
0.2663

 138.8124, 0.2627,
0.3126

 1.6280, 0.1281,
0.2421

 173.5457, 0.2661,
0.3139

 0.3764, 0.0000,
0.1766

213.6375, 0.2691,

 0.0000, 0.0000,

0.3150

0.0000

259.4721, 0.2718,
0.3160

■ 32.0691, 0.2332,
0.3008

■ 32.0691, 0.2332,
0.3008

■ 30.4577, 0.2249,
0.2954

■ 33.9146, 0.2433,
0.3061

■ 29.0575, 0.2185,
0.2900

■ 36.0076, 0.2549,
0.3112

■ 27.8468, 0.2139,
0.2846

■ 38.3645, 0.2679,
0.3161

■ 26.8378, 0.2110,
0.2795

■ 40.9993, 0.2819,
0.3207

■ 43.9250, 0.2966,
0.3249

■ 47.1536, 0.3118,
0.3288

■ 50.6964, 0.3271,
0.3323

■ 54.5642, 0.3424,
0.3355

■ 58.7672, 0.3574,
0.3383

Harmonies

Analogous

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



32.0691, 0.2527, 0.3435



32.0691, 0.2332, 0.3008



32.0691, 0.2332, 0.2704

Triad

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



32.0691, 0.2332, 0.3008



32.0691, 0.3331, 0.2813



32.0691, 0.3731, 0.4050

Complementary

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



32.0691, 0.2332, 0.3008



17.7026, 0.4831, 0.3521

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.



32.0691, 0.3982, 0.3813



32.0691, 0.2332, 0.3008



32.0691, 0.3749, 0.3116

Square

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



32.0691, 0.2332, 0.3008



32.0691, 0.2881, 0.2619



32.0691, 0.3993, 0.3472



32.0691, 0.3326, 0.4080

Rectangle

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



32.0691, 0.2332, 0.3008



32.0691, 0.2440, 0.2598



32.0691, 0.3993, 0.3472



32.0691, 0.3837, 0.3989

Sweetspot

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



32.0703, 0.2332, 0.3008



74.5825, 0.2852, 0.3217



35.9680, 0.2949, 0.4955



16.1507, 0.2810, 0.3204



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.



32.0703, 0.2332, 0.3008



53.5990, 0.2224, 0.2934



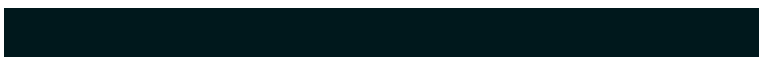
16.1532, 0.2111, 0.2017



9.9695, 0.2985, 0.3254



18.8023, 0.2112, 0.2802



0.7269, 0.2150, 0.2940

Inverse Universe

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



17.4697, 0.3415, 0.2076



26.3832, 0.3496, 0.1901



30.5419, 0.4284, 0.4261



9.1384, 0.3160, 0.3099



8.6804, 0.3633, 0.1775



0.3125, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 32.0691, 0.2332, 0.3008 looks on a white background.

Color Contrast Check

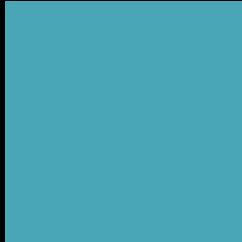
Large Text (above 18pt) WCAG AA × Fail

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 32.0691, 0.2332, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

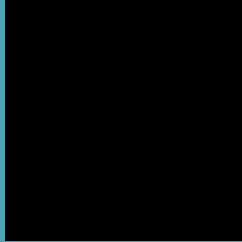
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0691, 0.2332, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 32.0691, 0.2332, 0.3008.



This preview shows how white text looks on a background with the Yxy color 32.0691, 0.2332, 0.3008.

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

32.0691, 0.2332, 0.3008

Protanopia

31.5399, 0.2910, 0.2961

Deuteranopia

31.5668, 0.2802, 0.2739



Tritanopia

31.9073, 0.2343, 0.3055

Trichromacy



Original Color

32.0691, 0.2332, 0.3008

Protanomaly

31.0162, 0.2643, 0.2958

Deuteranomaly

31.1254, 0.2585, 0.2812

Tritanomaly

31.9482, 0.2338, 0.3039

Monochromacy



Original Color

32.0691, 0.2332, 0.3008

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5400, 0.2742, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0691, 0.2332, 0.3008 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(72, 166, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 166, 183)  
}
```

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(72, 166, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 166, 183) }
```

Border

The CSS property to change the border of an element to Yxy 32.0691, 0.2332, 0.3008 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(72, 166, 183) }
```

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

```
.border{ border-color:rgb(72, 166, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 166, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 166, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 166, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 166,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0691, 0.2332, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 166, 183) }
```

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

```
.background{ background-color: rgb(72, 166,  
183) }
```

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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