

Converting Colors

$Y_{xy}(32.6023, 0.2327, 0.2650)$

Have a look what the booklet for
Yxy(32.6023, 0.2327, 0.2650)
contains.

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Color

Yxy(32.7417, 0.2329, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	61A2CC
RGB	97, 162, 204
RGB Percent	38%, 64%, 80%
CMY	0.6199, 0.3646, 0.2000
CMYK	0.52, 0.21, 0.00, 0.20
HSL	204°, 51%, 59%
HSV	204°, 52%, 80%
XYZ	28.7431, 32.7417, 61.9291
YIQ	147.3530, -52.2220, -0.7180

Conversions

Conversions Part 2

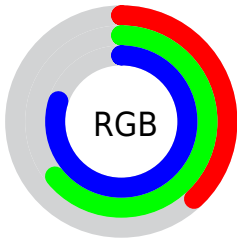
Format	Color
RYB	97, 137, 204
Decimal	6398668
CIELab	63.95, -9.01, -27.86
CIElCh	64, 29.280, 252.084
Yxy	32.7417, 0.2329, 0.2653
Android (android.graphics.Color)	4284588748 (0xFF61A2CC)
YUV	147.3530, 27.9270, -44.1596
Hunter-Lab	57.2204, -10.4710, -24.1148

Details

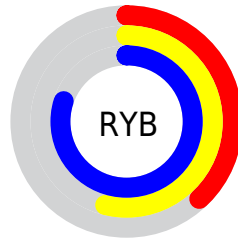
The Yxy color **32.7417, 0.2329, 0.2653** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.1395, 0.4319, 0.3826**, and the grayscale version is **29.2240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7157, 0.2510, 0.2846**, and **13.7112, 0.2089, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **29.0341, 0.2198, 0.2505**, and if you desaturate by 10%, it is **36.9190, 0.2472, 0.2795**.

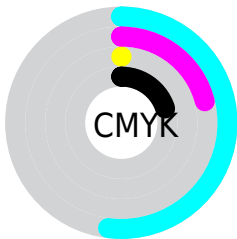
Distribution



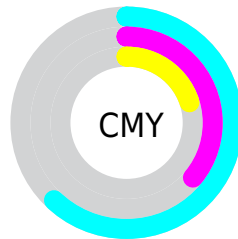
- Red (38%)
- Green (64%)
- Blue (80%)



- Red (38%)
- Yellow (54%)
- Blue (80%)



- Cyan (52%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)



- Cyan (62%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7417, 0.2329, 0.2653 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 32.7417, 0.2329, 0.2653 by changing the saturation by 10% instead.

■ 32.7417, 0.2329,
0.2653

■ 32.7417, 0.2329,
0.2653

■ 314.4842, 0.2737,
0.2989

■ 21.9286, 0.2226,
0.2565

■ 63.9720, 0.2479,
0.2779

■ 13.8045, 0.2093,
0.2450

■ 85.1581, 0.2535,
0.2825

■ 7.9848, 0.1918,
0.2293

■ 110.5707, 0.2582,
0.2863

■ 4.0852, 0.1677,
0.2072

■ 140.5941, 0.2622,
0.2896

■ 1.7214, 0.1333,
0.1743

■ 175.6128, 0.2657,
0.2924

■ 0.4374, 0.0500,
0.1116

■ 216.0111, 0.2687,

■ 0.0000, 0.0000,

0.2949

0.0000

262.1734, 0.2714,
0.2970

■ 32.7417, 0.2329,
0.2653

■ 32.7417, 0.2329,
0.2653

■ 29.0341, 0.2198,
0.2505

■ 36.9190, 0.2472,
0.2795

■ 25.7668, 0.2084,
0.2354

■ 41.5858, 0.2623,
0.2928

■ 22.9115, 0.1990,
0.2201

■ 46.7649, 0.2779,
0.3051

■ 20.4338, 0.1917,
0.2052

■ 52.4761, 0.2935,
0.3164

■ 18.7759, 0.1873,
0.1942

■ 58.7382, 0.3089,
0.3266

■ 65.5690, 0.3240,
0.3358

■ 72.9852, 0.3384,
0.3439

■ 80.0167, 0.3484,
0.3513

■ 84.4694, 0.3468,
0.3592

Harmonies

Analogous

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



32.7417, 0.2296, 0.2937



32.7417, 0.2329, 0.2653



32.7417, 0.2556, 0.2551

Triad

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



32.7417, 0.2329, 0.2653



32.7417, 0.3824, 0.3167



32.7417, 0.3256, 0.4085

Complementary

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



32.7417, 0.2329, 0.2653



32.1395, 0.4319, 0.3826

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.



32.7417, 0.3688, 0.4095



32.7417, 0.2329, 0.2653



32.7417, 0.4037, 0.3535

Square

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



32.7417, 0.2329, 0.2653



32.7417, 0.3413, 0.2844



32.7417, 0.3980, 0.3876



32.7417, 0.2809, 0.3806

Rectangle

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



32.7417, 0.2329, 0.2653



32.7417, 0.2801, 0.2581



32.7417, 0.3980, 0.3876



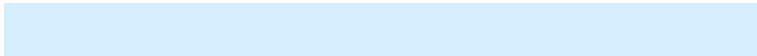
32.7417, 0.3408, 0.4119

Sweetspot

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



32.7429, 0.2329, 0.2653



83.2800, 0.2877, 0.3123



47.5562, 0.2821, 0.4314



17.4023, 0.2844, 0.3100



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.7429, 0.2329, 0.2653



47.3197, 0.2182, 0.2485



17.9251, 0.2161, 0.1816



11.9598, 0.2983, 0.3197



12.0039, 0.1879, 0.1963



0.7644, 0.1958, 0.2250

Inverse Universe

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



23.9831, 0.3694, 0.2482



33.1338, 0.3877, 0.2345



51.1815, 0.3957, 0.4422



11.3263, 0.3197, 0.3150



9.0148, 0.4495, 0.2250



0.4797, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 32.7417, 0.2329, 0.2653 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 32.7417, 0.2329, 0.2653 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

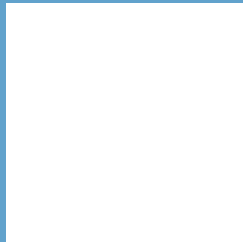
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7417, 0.2329, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 32.7417, 0.2329, 0.2653.

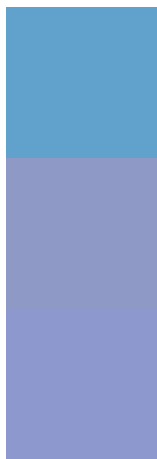


This preview shows how white text looks on a background with the Yxy color 32.7417, 0.2329, 0.2653.

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

32.7417, 0.2329, 0.2653

Protanopia

32.6533, 0.2670, 0.2658

Deuteranopia

32.4882, 0.2581, 0.2527



Tritanopia

32.6424, 0.2428, 0.3061

Trichromacy



Original Color

32.7417, 0.2329, 0.2653

Protanomaly

32.3827, 0.2523, 0.2642

Deuteranomaly

32.4698, 0.2476, 0.2576

Tritanomaly

32.8085, 0.2389, 0.2908

Monochromacy



Original Color

32.7417, 0.2329, 0.2653

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9508, 0.2771, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7417, 0.2329, 0.2653 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(97, 162, 204)` looks like.

```
.text, #text, p{  
    color:rgb(97, 162, 204)  
}
```

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(97, 162, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 162, 204) }
```

Border

The CSS property to change the border of an element to Yxy 32.7417, 0.2329, 0.2653 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(97, 162, 204) }
```

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

```
.border{ border-color:rgb(97, 162, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 162, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 162, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 162, 204); box-shadow:4px 4px 4px 4px rgb(97, 162, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7417, 0.2329, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 162, 204) }
```

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

```
.background{ background-color: rgb(97, 162,  
204) }
```

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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