

Converting Colors

$Yxy(36.3048, 0.2127, 0.2595)$

Have a look what the booklet for
Yxy(36.3048, 0.2127, 0.2595)
contains.

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Color

Yxy(36.3048, 0.2127, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	37AEDD
RGB	55, 174, 221
RGB Percent	22%, 68%, 87%
CMY	0.7847, 0.3176, 0.1334
CMYK	0.75, 0.21, 0.00, 0.13
HSL	197°, 71%, 54%
HSV	197°, 75%, 87%
XYZ	29.7573, 36.3048, 73.8407
YIQ	143.7770, -86.0110, -10.6110

Conversions

Conversions Part 2

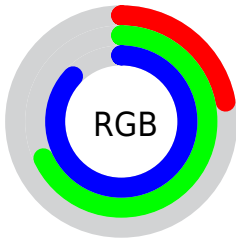
Format	Color
R _{YB}	55, 124, 221
Decimal	3649245
CIE _{Lab}	66.75, -17.18, -33.04
CIE _{LCh}	67, 37.238, 242.528
Yxy	36.3048, 0.2127, 0.2595
Android (android.graphics.Color)	4281839325 (0xFF37AEDD)
YUV	143.7770, 38.0709, -77.8574
Hunter-Lab	60.2535, -17.2879, -30.4826

Details

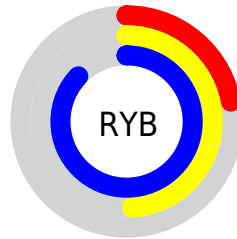
The Yxy color **36.3048, 0.2127, 0.2595** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **25.1253, 0.5263, 0.3752**, and the grayscale version is **27.6552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0987, 0.2401, 0.2992**, and **16.6722, 0.2004, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **33.4571, 0.2054, 0.2488**, and if you desaturate by 10%, it is **39.5465, 0.2220, 0.2702**.

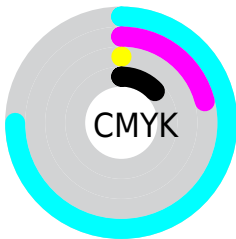
Distribution



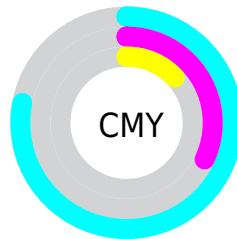
- Red (22%)
- Green (68%)
- Blue (87%)



- Red (22%)
- Yellow (49%)
- Blue (87%)



- Cyan (75%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (78%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3048, 0.2127, 0.2595 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 36.3048, 0.2127, 0.2595 by changing the saturation by 10% instead.

36.3048, 0.2127,
0.2595

36.3048, 0.2127,
0.2595

330.2908, 0.2623,
0.2959

24.6697, 0.2007,
0.2501

69.5023, 0.2305,
0.2730

15.8311, 0.1858,
0.2380

91.8334, 0.2372,
0.2780

9.4047, 0.1665,
0.2218

118.4987, 0.2430,
0.2822

5.0061, 0.1413,
0.1994

149.8825, 0.2479,
0.2858

2.2508, 0.1077,
0.1672

186.3692, 0.2522,
0.2889

0.7475, 0.0471,
0.1210

228.3432, 0.2560,

0.0000, 0.0000,

0.2915

0.0000

276.1890, 0.2593,
0.2939

■ 36.3048, 0.2127,
0.2595

■ 36.3048, 0.2127,
0.2595

■ 33.4571, 0.2054,
0.2488

■ 39.5465, 0.2220,
0.2702

■ 30.9574, 0.2002,
0.2382

■ 43.2129, 0.2330,
0.2807

■ 29.8390, 0.1981,
0.2331

■ 47.3353, 0.2457,
0.2909

■ 51.9404, 0.2595,
0.3005

■ 57.0524, 0.2742,
0.3095

■ 62.6938, 0.2894,
0.3178

■ 68.8854, 0.3048,
0.3254

■ 75.6469, 0.3201,
0.3322

■ 82.9966, 0.3352,
0.3383

Harmonies

Analogous

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



36.3048, 0.2161, 0.2998



36.3048, 0.2127, 0.2595



36.3048, 0.2325, 0.2412

Triad

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



36.3048, 0.2127, 0.2595



36.3048, 0.3842, 0.3002



36.3048, 0.3451, 0.4318

Complementary

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



36.3048, 0.2127, 0.2595



25.1253, 0.5263, 0.3752

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.



36.3048, 0.3943, 0.4206



36.3048, 0.2127, 0.2595



36.3048, 0.4198, 0.3429

Square

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



36.3048, 0.2127, 0.2595



36.3048, 0.3288, 0.2652



36.3048, 0.4228, 0.3863



36.3048, 0.2897, 0.4080

Rectangle

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



36.3048, 0.2127, 0.2595



36.3048, 0.2576, 0.2409



36.3048, 0.4228, 0.3863



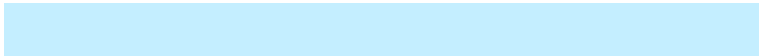
36.3048, 0.3630, 0.4316

Sweetspot

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



36.3061, 0.2127, 0.2595



80.3909, 0.2772, 0.3112



53.4235, 0.2862, 0.5151



16.6268, 0.2717, 0.3080



0.0000, 0.0000, 0.0000



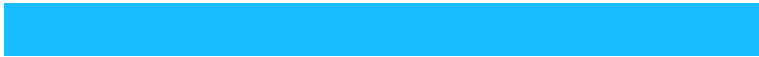
21.4041, 0.3127, 0.3290

Same Dimension

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



36.3061, 0.2127, 0.2595



44.2960, 0.2023, 0.2428



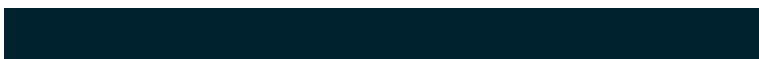
13.9734, 0.1811, 0.1361



14.1746, 0.2982, 0.3222



17.5362, 0.1985, 0.2347



1.2796, 0.2033, 0.2519

Inverse Universe

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



21.1503, 0.3804, 0.2072



25.6982, 0.3988, 0.2013



49.1996, 0.4415, 0.4594



13.2088, 0.3181, 0.3124



10.3941, 0.4077, 0.2020



0.6879, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 36.3048, 0.2127, 0.2595 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 36.3048, 0.2127, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

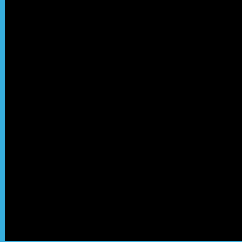
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3048, 0.2127, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 36.3048, 0.2127, 0.2595.



This preview shows how white text looks on a background with the Yxy color 36.3048, 0.2127, 0.2595.

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

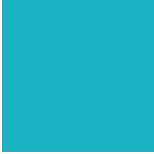
36.3048, 0.2127, 0.2595

Protanopia

35.7453, 0.2627, 0.2591

Deuteranopia

35.7535, 0.2479, 0.2417



Tritanopia

36.3235, 0.2209, 0.3063

Trichromacy



Original Color

36.3048, 0.2127, 0.2595

Protanomaly

34.9834, 0.2379, 0.2572

Deuteranomaly

35.1298, 0.2303, 0.2459

Tritanomaly

36.1494, 0.2173, 0.2881

Monochromacy



Original Color

36.3048, 0.2127, 0.2595

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.8660, 0.2607, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3048, 0.2127, 0.2595 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(55, 174, 221)` looks like.

```
.text, #text, p{  
    color:rgb(55, 174, 221)  
}
```

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(55, 174, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 174, 221) }
```

Border

The CSS property to change the border of an element to Yxy 36.3048, 0.2127, 0.2595 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(55, 174, 221) }
```

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

```
.border{ border-color:rgb(55, 174, 221) }
```

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

Here you see how a box with a 4 pixel rgb(55, 174, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 174, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 174, 221);  
box-shadow:4px 4px 4px 4px rgb(55, 174,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3048, 0.2127, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 174, 221) }
```

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

```
.background{ background-color: rgb(55, 174,  
221) }
```

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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