

Converting Colors

$Y_{xy}(36.6708, 0.2046, 0.2384)$

Have a look what the booklet for
Yxy(36.6708, 0.2046, 0.2384)
contains.

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Color

Yxy(36.6059, 0.2045, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	2FADED
RGB	47, 173, 237
RGB Percent	18%, 68%, 93%
CMY	0.8159, 0.3215, 0.0705
CMYK	0.80, 0.27, 0.00, 0.07
HSL	200°, 84%, 56%
HSV	200°, 80%, 93%
XYZ	31.4006, 36.6059, 85.5417
YIQ	142.6220, -95.6400, -6.8080

Conversions

Conversions Part 2

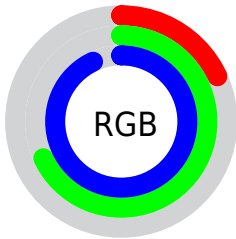
Format	Color
R _{YB}	47, 123, 237
Decimal	3124717
CIE Lab	66.98, -12.02, -41.48
CIE LCh	67, 43.183, 253.833
Yxy	36.6059, 0.2045, 0.2384
Android (android.graphics.Color)	4281314797 (0xFF2FADED)
YUV	142.6220, 46.5284, -83.8605
Hunter-Lab	60.5028, -13.2394, -41.4750

Details

The Yxy color **36.6059, 0.2045, 0.2384** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **29.5680, 0.5346, 0.3844**, and the grayscale version is **27.1433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8444, 0.2388, 0.2966**, and **17.0109, 0.1936, 0.2170** is the 20% darker color. If you saturate the color by 10%, you get **33.2190, 0.1976, 0.2255**, and if you desaturate by 10%, it is **40.4834, 0.2135, 0.2515**.

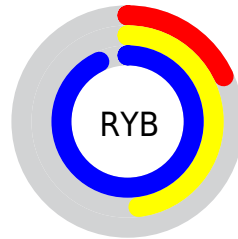
Distribution



Red (18%)

Green (68%)

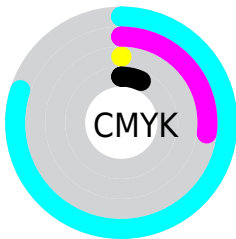
Blue (93%)



Red (18%)

Yellow (48%)

Blue (93%)

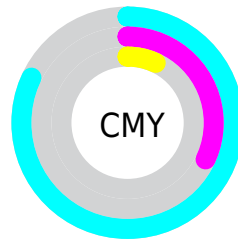


Cyan (80%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (82%)


Magenta (32%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6059, 0.2045, 0.2384 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 36.6059, 0.2045, 0.2384 by changing the saturation by 10% instead.

 36.6059, 0.2045,
0.2384


 36.6059, 0.2045,
0.2384


331.6011, 0.2576,
0.2845


 24.9025, 0.1920,
0.2270


 69.9662, 0.2233,
0.2551


 16.0044, 0.1764,
0.2126


 92.3920, 0.2306,
0.2615


 9.5273, 0.1567,
0.1940


 119.1606, 0.2367,
0.2668

 5.0867, 0.1315,
0.1693

 150.6565, 0.2420,
0.2714

 2.2982, 0.0991,
0.1359

 187.2642, 0.2467,
0.2753

 0.7728, 0.0520,
0.0912

229.3679, 0.2508,

 0.0000, 0.0000,

0.2788

0.0000

277.3521, 0.2544,
0.2818

■ 36.6059, 0.2045,
0.2384

■ 36.6059, 0.2045,
0.2384

■ 33.2190, 0.1976,
0.2255

■ 40.4834, 0.2135,
0.2515

■ 30.2971, 0.1925,
0.2130

■ 44.8942, 0.2245,
0.2644

■ 49.8789, 0.2372,
0.2769

■ 55.4725, 0.2511,
0.2889

■ 61.7062, 0.2660,
0.3002

■ 68.6089, 0.2814,
0.3107

■ 76.2074, 0.2969,
0.3202

■ 84.5267, 0.3124,
0.3288

■ 92.5819, 0.3241,
0.3366

Harmonies

Analogous

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



36.6059, 0.1983, 0.2742



36.6059, 0.2045, 0.2384



36.6059, 0.2358, 0.2278

Triad

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



36.6059, 0.2045, 0.2384



36.6059, 0.4148, 0.3130



36.6059, 0.3247, 0.4439

Complementary

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



36.6059, 0.2045, 0.2384



29.5680, 0.5346, 0.3844

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.



36.6059, 0.3860, 0.4434



36.6059, 0.2045, 0.2384



36.6059, 0.4424, 0.3623

Square

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



36.6059, 0.2045, 0.2384



36.6059, 0.3562, 0.2697



36.6059, 0.4303, 0.4099



36.6059, 0.2634, 0.4011

Rectangle

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



36.6059, 0.2045, 0.2384



36.6059, 0.2696, 0.2333



36.6059, 0.4303, 0.4099



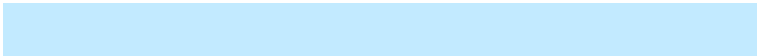
36.6059, 0.3460, 0.4485

Sweetspot

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



36.6071, 0.2045, 0.2384



77.7315, 0.2753, 0.3067



62.3117, 0.2818, 0.5122



16.0181, 0.2698, 0.3029



0.0000, 0.0000, 0.0000



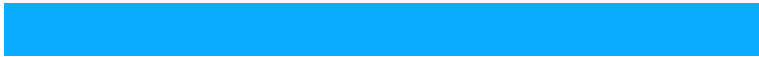
21.4041, 0.3127, 0.3290

Same Dimension

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



36.6071, 0.2045, 0.2384



37.0062, 0.1943, 0.2176



12.2544, 0.1702, 0.1085



16.2178, 0.2981, 0.3209



16.7909, 0.1931, 0.2151



1.4949, 0.1980, 0.2327

Inverse Universe

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



23.0520, 0.4018, 0.2130



24.4817, 0.4255, 0.2133



62.0344, 0.4377, 0.4735



15.2225, 0.3189, 0.3135



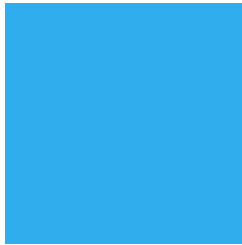
11.1879, 0.4285, 0.2134



0.8963, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 36.6059, 0.2045, 0.2384 looks on a white background.

Color Contrast Check

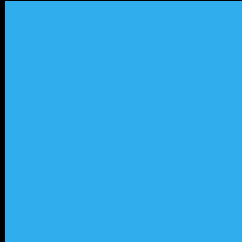
Large Text (above 18pt) WCAG AA × Fail

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 36.6059, 0.2045, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

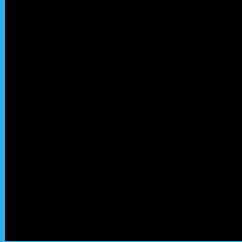
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

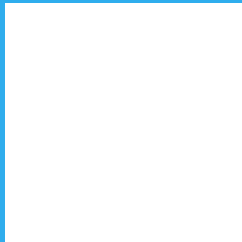
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6059, 0.2045, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 36.6059, 0.2045, 0.2384.



This preview shows how white text looks on a background with the Yxy color 36.6059, 0.2045, 0.2384.

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

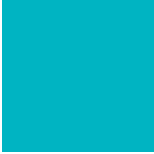
36.6059, 0.2045, 0.2384

Protanopia

35.9500, 0.2474, 0.2397

Deuteranopia

36.2930, 0.2312, 0.2254



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



Original Color

36.6059, 0.2045, 0.2384

Protanomaly

35.3899, 0.2258, 0.2376

Deuteranomaly

35.7389, 0.2176, 0.2283

Tritanomaly

36.2166, 0.2117, 0.2779

Monochromacy



Original Color

36.6059, 0.2045, 0.2384

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.4737, 0.2540, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6059, 0.2045, 0.2384 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(47, 173, 237)` looks like.

```
.text, #text, p{  
    color:rgb(47, 173, 237)  
}
```

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(47, 173, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 173, 237) }
```

Border

The CSS property to change the border of an element to Yxy 36.6059, 0.2045, 0.2384 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(47, 173, 237) }
```

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

```
.border{ border-color:rgb(47, 173, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 173, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 173, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 173, 237);  
box-shadow:4px 4px 4px 4px rgb(47, 173,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6059, 0.2045, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 173, 237) }
```

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

```
.background{ background-color: rgb(47, 173,  
237) }
```

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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