

Converting Colors

$Y_{xy}(23.1580, 0.2096, 0.2455)$

Have a look what the booklet for
Yxy(23.1580, 0.2096, 0.2455)
contains.

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Color

$\text{Yxy}(23.0346, 0.2092, 0.2442)$

Conversions

Conversions Part 1

Format	Color
Hex	2F8CBD
RGB	47, 140, 189
RGB Percent	18%, 55%, 74%
CMY	0.8161, 0.4509, 0.2588
CMYK	0.75, 0.26, 0.00, 0.26
HSL	201°, 60%, 46%
HSV	201°, 75%, 74%
XYZ	19.7332, 23.0346, 51.5590
YIQ	117.7790, -71.1570, -4.4770

Conversions

Conversions Part 2

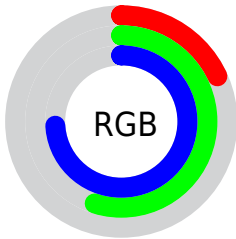
Format	Color
R_{YB}	47, 103, 189
Decimal	3116221
CIE _{Lab}	55.11, -10.43, -33.29
CIE _{LCh}	55, 34.884, 252.598
Yxy	23.0346, 0.2092, 0.2442
Android (android.graphics.Color)	4281306301 (0xFF2F8CBD)
YUV	117.7790, 35.1120, -62.0732
Hunter-Lab	47.9944, -10.5989, -30.0975

Details

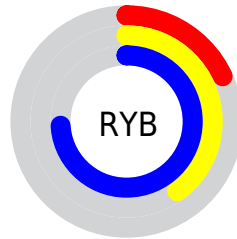
The Yxy color **23.0346, 0.2092, 0.2442** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.3738, 0.5123, 0.3866**, and the grayscale version is **17.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2432, 0.2301, 0.2621**, and **9.0616, 0.1942, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **20.8313, 0.2010, 0.2310**, and if you desaturate by 10%, it is **25.5466, 0.2194, 0.2574**.

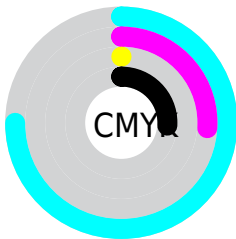
Distribution



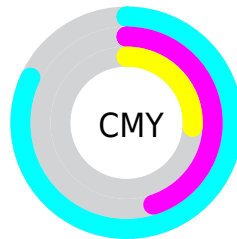
- Red (18%)
- Green (55%)
- Blue (74%)



- Red (18%)
- Yellow (40%)
- Blue (74%)



- Cyan (75%)
- Magenta (26%)
- Yellow (0%)
- Black (26%)



- Cyan (82%)
- Magenta (45%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0346, 0.2092, 0.2442 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 23.0346, 0.2092, 0.2442 by changing the saturation by 10% instead.

■ 23.0346, 0.2092,
0.2442

■ 23.0346, 0.2092,
0.2442

■ 267.9027, 0.2642,
0.2909

■ 14.6191, 0.1947,
0.2313

■ 48.4501, 0.2298,
0.2621

■ 8.5525, 0.1760,
0.2142

■ 66.2189, 0.2374,
0.2686

■ 4.4504, 0.1509,
0.1905

■ 87.8742, 0.2437,
0.2739

■ 1.9286, 0.1168,
0.1567

■ 113.8005, 0.2491,
0.2784

■ 0.5655, 0.0519,
0.1037

■ 144.3820, 0.2537,
0.2823

■ 0.0000, 0.0000,
0.0000

180.0033, 0.2577,

0.2855

221.0487, 0.2612,
0.2884

■ 23.0346, 0.2092,
0.2442

■ 23.0346, 0.2092,
0.2442

■ 20.8313, 0.2010,
0.2310

■ 25.5466, 0.2194,
0.2574

■ 18.9052, 0.1948,
0.2180

■ 28.3892, 0.2314,
0.2703

■ 18.0492, 0.1922,
0.2119

■ 31.5843, 0.2447,
0.2827

■ 35.1510, 0.2591,
0.2944

■ 39.1066, 0.2741,
0.3054

■ 43.4670, 0.2895,
0.3154

■ 48.2474, 0.3048,
0.3246

■ 53.4619, 0.3199,
0.3329

■ 59.1238, 0.3346,
0.3402

Harmonies

Analogous

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



23.0346, 0.2043, 0.2795



23.0346, 0.2092, 0.2442



23.0346, 0.2382, 0.2329

Triad

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



23.0346, 0.2092, 0.2442



23.0346, 0.4071, 0.3123



23.0346, 0.3270, 0.4376

Complementary

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



23.0346, 0.2092, 0.2442



19.3738, 0.5123, 0.3866

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.



23.0346, 0.3846, 0.4363



23.0346, 0.2092, 0.2442



23.0346, 0.4348, 0.3593

Square

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



23.0346, 0.2092, 0.2442



23.0346, 0.3513, 0.2713



23.0346, 0.4251, 0.4046



23.0346, 0.2685, 0.3989

Rectangle

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



23.0346, 0.2092, 0.2442



23.0346, 0.2698, 0.2375



23.0346, 0.4251, 0.4046



23.0346, 0.3471, 0.4416

Sweetspot

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



23.0354, 0.2092, 0.2442



71.3933, 0.2769, 0.3073



37.8171, 0.2814, 0.4973



14.7738, 0.2714, 0.3035



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.0354, 0.2092, 0.2442



35.0915, 0.1969, 0.2229



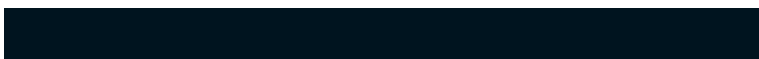
8.7305, 0.1785, 0.1239



10.2404, 0.2985, 0.3209



12.2886, 0.1926, 0.2135



0.5988, 0.2012, 0.2444

Inverse Universe

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



14.7395, 0.3948, 0.2176



22.9078, 0.4193, 0.2132



38.0547, 0.4310, 0.4684



9.6388, 0.3189, 0.3141



8.2702, 0.4303, 0.2144



0.3358, 0.3979, 0.1965

Previews

White Background



This preview shows how the Yxy color 23.0346, 0.2092, 0.2442 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0346, 0.2092, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

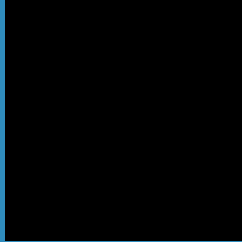
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0346, 0.2092, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 23.0346, 0.2092, 0.2442.

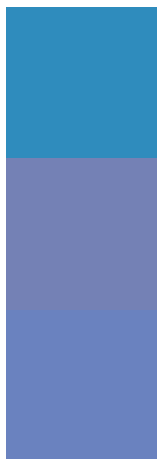


This preview shows how white text looks on a background with the Yxy color 23.0346, 0.2092, 0.2442.

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

23.0346, 0.2092, 0.2442

Protanopia

22.7497, 0.2515, 0.2446

Deuteranopia

22.7910, 0.2367, 0.2312



Tritanopia

23.0264, 0.2182, 0.3054

Trichromacy



Original Color

23.0346, 0.2092, 0.2442

Protanomaly

22.4599, 0.2312, 0.2431

Deuteranomaly

22.6992, 0.2241, 0.2359

Tritanomaly

22.9303, 0.2135, 0.2819

Monochromacy



Original Color

23.0346, 0.2092, 0.2442

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2106, 0.2589, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0346, 0.2092, 0.2442 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, 140, 189)` looks like.

```
.text, #text, p{  
  color:rgb(47, 140, 189)  
}
```

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, 140, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 140, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.0346, 0.2092, 0.2442 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, 140, 189) }
```

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

```
.border{ border-color:rgb(47, 140, 189) }
```

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

Here you see how a box with a 4 pixel rgb(47, 140, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 140, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 140, 189);  
box-shadow:4px 4px 4px 4px rgb(47, 140,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0346, 0.2092, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 140, 189) }
```

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

```
.background{ background-color: rgb(47, 140,  
189) }
```

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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