

Converting Colors

$Yxy(20.2335, 0.2044, 0.2126)$

Have a look what the booklet for
Yxy(20.2335, 0.2044, 0.2126)
contains.

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Color

Yxy(20.3691, 0.2043, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	3A80C5
RGB	58, 128, 197
RGB Percent	23%, 50%, 77%
CMY	0.7729, 0.4980, 0.2275
CMYK	0.71, 0.35, 0.00, 0.23
HSL	210°, 55%, 50%
HSV	210°, 71%, 77%
XYZ	19.5371, 20.3691, 55.7234
YIQ	114.9360, -63.8690, 6.6190

Conversions

Conversions Part 2

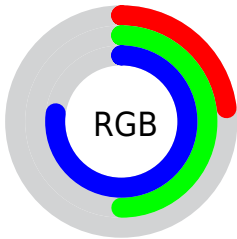
Format	Color
R_{YB}	58, 105, 197
Decimal	3834053
CIE _{Lab}	52.25, 0.89, -42.30
CIE _{LCh}	52, 42.310, 271.210
Yxy	20.3691, 0.2043, 0.2130
Android (android.graphics.Color)	4282024133 (0xFF3A80C5)
YUV	114.9360, 40.4576, -49.9329
Hunter-Lab	45.1321, -1.7109, -41.6112

Details

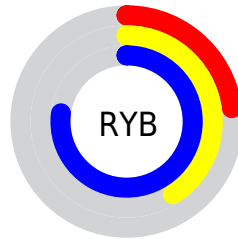
The Yxy color **20.3691, 0.2043, 0.2130** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **27.3228, 0.4731, 0.4121**, and the grayscale version is **17.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8632, 0.2264, 0.2359**, and **7.5751, 0.1830, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **17.4616, 0.1930, 0.1937**, and if you desaturate by 10%, it is **23.7490, 0.2176, 0.2323**.

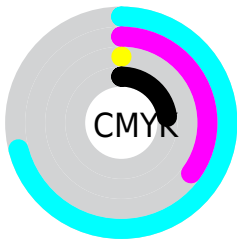
Distribution



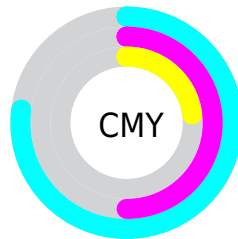
- Red (23%)
- Green (50%)
- Blue (77%)



- Red (23%)
- Yellow (41%)
- Blue (77%)



- Cyan (71%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (77%)
- Magenta (50%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3691, 0.2043, 0.2130 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 20.3691, 0.2043, 0.2130 by changing the saturation by 10% instead.

■ 20.3691, 0.2043,
0.2130

■ 20.3691, 0.2043,
0.2130

■ 253.9063, 0.2627,
0.2753

■ 12.6636, 0.1889,
0.1966

■ 44.0351, 0.2263,
0.2364

■ 7.1973, 0.1689,
0.1754

■ 60.7645, 0.2343,
0.2450

■ 3.5858, 0.1425,
0.1475

■ 81.2706, 0.2411,
0.2522

■ 1.4447, 0.1071,
0.1102

■ 105.9379, 0.2467,
0.2582

■ 0.2493, 0.0433,
0.0417

■ 135.1507, 0.2516,
0.2634

■ 0.0000, 0.0000,
0.0000

169.2934, 0.2558,

0.2679

208.7505, 0.2595,
0.2719

■ 20.3691, 0.2043,
0.2130

■ 20.3691, 0.2043,
0.2130

■ 17.4616, 0.1930,
0.1937

■ 23.7490, 0.2176,
0.2323

■ 14.9902, 0.1839,
0.1751

■ 27.6291, 0.2324,
0.2512

■ 13.0118, 0.1773,
0.1584

■ 32.0365, 0.2481,
0.2692

■ 36.9957, 0.2643,
0.2860

■ 42.5290, 0.2805,
0.3015

■ 48.6576, 0.2964,
0.3156

■ 55.4014, 0.3118,
0.3283

■ 62.7792, 0.3265,
0.3395

■ 70.8088, 0.3403,
0.3495

Harmonies

Analogous

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



20.3691, 0.1806, 0.2357



20.3691, 0.2043, 0.2130



20.3691, 0.2556, 0.2168

Triad

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



20.3691, 0.2043, 0.2130



20.3691, 0.4590, 0.3410



20.3691, 0.2820, 0.4445

Complementary

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



20.3691, 0.2043, 0.2130



27.3228, 0.4731, 0.4121

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.



20.3691, 0.3562, 0.4728



20.3691, 0.2043, 0.2130



20.3691, 0.4626, 0.3981

Square

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



20.3691, 0.2043, 0.2130



20.3691, 0.4079, 0.2868



20.3691, 0.4227, 0.4488



20.3691, 0.2201, 0.3689

Rectangle

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



20.3691, 0.2043, 0.2130



20.3691, 0.3033, 0.2320



20.3691, 0.4227, 0.4488



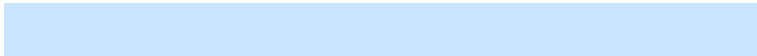
20.3691, 0.3064, 0.4605

Sweetspot

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



20.3698, 0.2043, 0.2130



75.4308, 0.2793, 0.3005



42.3119, 0.2704, 0.4501



15.5324, 0.2748, 0.2963



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.



20.3698, 0.2043, 0.2130



28.6624, 0.1875, 0.1830



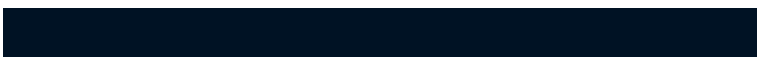
8.1822, 0.1785, 0.1086



11.1562, 0.2983, 0.3173



8.7260, 0.1780, 0.1607



0.5580, 0.1884, 0.1984

Inverse Universe

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



16.4449, 0.4245, 0.2455



24.7848, 0.4626, 0.2427



51.0611, 0.4084, 0.4824



10.7246, 0.3212, 0.3174



8.4209, 0.4923, 0.2485



0.4133, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 20.3691, 0.2043, 0.2130 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 20.3691, 0.2043, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

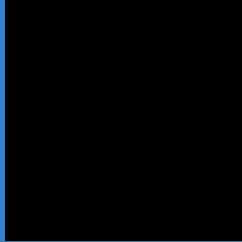
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3691, 0.2043, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 20.3691, 0.2043, 0.2130.



This preview shows how white text looks on a background with the Yxy color 20.3691, 0.2043, 0.2130.

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

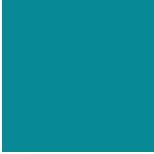
20.3691, 0.2043, 0.2130

Protanopia

20.3333, 0.2290, 0.2165

Deuteranopia

20.2864, 0.2144, 0.2083



Tritanopia

20.3921, 0.2193, 0.3062

Trichromacy



Original Color

20.3691, 0.2043, 0.2130

Protanomaly

20.1504, 0.2182, 0.2146

Deuteranomaly

20.1609, 0.2097, 0.2085

Tritanomaly

20.0230, 0.2112, 0.2671

Monochromacy



Original Color

20.3691, 0.2043, 0.2130

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.8570, 0.2583, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3691, 0.2043, 0.2130 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(58, 128, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 128, 197)  
}
```

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(58, 128, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 128, 197) }
```

Border

The CSS property to change the border of an element to Yxy 20.3691, 0.2043, 0.2130 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(58, 128, 197) }
```

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

```
.border{ border-color:rgb(58, 128, 197) }
```

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

Here you see how a box with a 4 pixel rgb(58, 128, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 128, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 128, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 128,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3691, 0.2043, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 128, 197) }
```

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

```
.background{ background-color: rgb(58, 128,  
197) }
```

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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