

Converting Colors

$Y_{xy}(20.0785, 0.2012, 0.2215)$

Have a look what the booklet for
Yxy(20.0785, 0.2012, 0.2215)
contains.

| | |
|--|----|
| Yxy(20.1780, 0.2014, 0.2226) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(20.1780, 0.2014, 0.2226)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 2882BF |
| RGB | 40, 130, 191 |
| RGB Percent | 16%, 51%, 75% |
| CMY | 0.8436, 0.4901, 0.2510 |
| CMYK | 0.79, 0.32, 0.00, 0.25 |
| HSL | 204°, 65%, 45% |
| HSV | 204°, 79%, 75% |
| XYZ | 18.2563, 20.1780, 52.2126 |
| YIQ | 110.0440, -73.2210, -0.1090 |

Conversions

Conversions Part 2

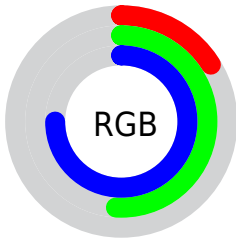
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 40, 96, 191 |
| Decimal | 2654911 |
| CIE Lab | 52.04, -4.78, -39.24 |
| CIE LCh | 52, 39.527, 263.056 |
| Yxy | 20.1780, 0.2014, 0.2226 |
| Android (android.graphics.Color) | 4280844991 (0xFF2882BF) |
| YUV | 110.0440, 39.9113, -61.4286 |
| Hunter-Lab | 44.9199, -6.0642, -37.4717 |

Details

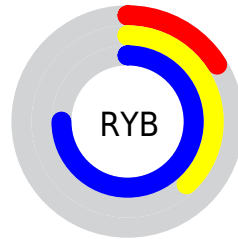
The Yxy color **20.1780, 0.2014, 0.2226** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.5043, 0.5140, 0.3977**, and the grayscale version is **15.4964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8324, 0.2237, 0.2448**, and **7.6910, 0.1869, 0.1927** is the 20% darker color. If you saturate the color by 10%, you get **17.9129, 0.1932, 0.2071**, and if you desaturate by 10%, it is **22.7868, 0.2117, 0.2382**.

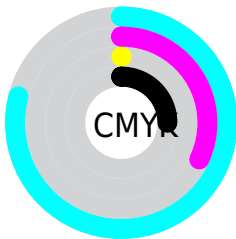
Distribution



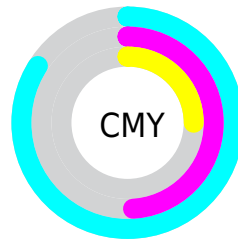
- Red (16%)
- Green (51%)
- Blue (75%)



- Red (16%)
- Yellow (38%)
- Blue (75%)



- Cyan (79%)
- Magenta (32%)
- Yellow (0%)
- Black (25%)



- Cyan (84%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1780, 0.2014, 0.2226 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 20.1780, 0.2014, 0.2226 by changing the saturation by 10% instead.

■ 20.1780, 0.2014,
0.2226

■ 20.1780, 0.2014,
0.2226

252.8771, 0.2613,
0.2808

■ 12.5245, 0.1855,
0.2068

■ 43.7154, 0.2240,
0.2448

■ 7.1019, 0.1650,
0.1862

■ 60.3681, 0.2322,
0.2528

■ 3.5259, 0.1377,
0.1583

■ 80.7893, 0.2391,
0.2595

■ 1.4121, 0.1013,
0.1202

■ 105.3635, 0.2450,
0.2651

■ 0.2256, 0.0193,
0.0446

■ 134.4749, 0.2500,
0.2699

■ 0.0000, 0.0000,
0.0000

168.5081, 0.2543,

0.2741

207.8474, 0.2580,
0.2777

■ 20.1780, 0.2014,
0.2226

■ 20.1780, 0.2014,
0.2226

■ 17.9129, 0.1932,
0.2071

■ 22.7868, 0.2117,
0.2382

■ 15.9427, 0.1869,
0.1921

■ 25.7651, 0.2239,
0.2537

■ 15.7783, 0.1863,
0.1908

■ 29.1376, 0.2376,
0.2687

■ 32.9257, 0.2523,
0.2829

■ 37.1491, 0.2676,
0.2963

■ 41.8258, 0.2832,
0.3086

■ 46.9725, 0.2988,
0.3198

■ 52.6053, 0.3140,
0.3298

■ 58.7391, 0.3288,
0.3389

Harmonies

Analogous

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



20.1780, 0.1861, 0.2522



20.1780, 0.2014, 0.2226



20.1780, 0.2434, 0.2194

Triad

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



20.1780, 0.2014, 0.2226



20.1780, 0.4408, 0.3266



20.1780, 0.3031, 0.4489

Complementary

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



20.1780, 0.2014, 0.2226



20.5043, 0.5140, 0.3977

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.



20.1780, 0.3730, 0.4618



20.1780, 0.2014, 0.2226



20.1780, 0.4573, 0.3809

Square

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



20.1780, 0.2014, 0.2226



20.1780, 0.3835, 0.2768



20.1780, 0.4303, 0.4313



20.1780, 0.2395, 0.3878

Rectangle

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



20.1780, 0.2014, 0.2226



20.1780, 0.2849, 0.2301



20.1780, 0.4303, 0.4313



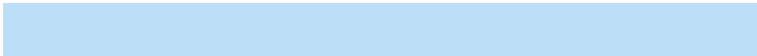
20.1780, 0.3267, 0.4592

Sweetspot

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



20.1787, 0.2014, 0.2226



70.4146, 0.2750, 0.3022



38.6293, 0.2765, 0.4897



14.8122, 0.2694, 0.2977



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.1787, 0.2014, 0.2226



29.4493, 0.1885, 0.1960



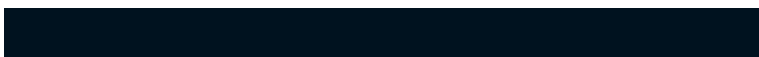
6.9409, 0.1697, 0.1012



10.1461, 0.2984, 0.3195



10.5325, 0.1869, 0.1928



0.5377, 0.1969, 0.2290

Inverse Universe

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



14.1957, 0.4173, 0.2255



22.3945, 0.4494, 0.2270



42.2273, 0.4257, 0.4811



9.6293, 0.3198, 0.3154



8.0930, 0.4535, 0.2272



0.3296, 0.4137, 0.2053

Previews

White Background



This preview shows how the Yxy color 20.1780, 0.2014, 0.2226 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 20.1780, 0.2014, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

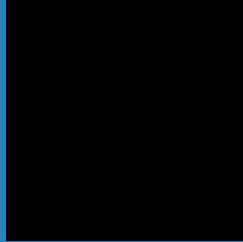
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1780, 0.2014, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 20.1780, 0.2014, 0.2226.



This preview shows how white text looks on a background with the Yxy color 20.1780, 0.2014, 0.2226.

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

20.1780, 0.2014, 0.2226

Protanopia

19.9602, 0.2355, 0.2242

Deuteranopia

20.0424, 0.2198, 0.2134



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

20.1780, 0.2014, 0.2226

Protanomaly

19.6654, 0.2184, 0.2213

Deuteranomaly

20.0296, 0.2114, 0.2172

Tritanomaly

19.8321, 0.2101, 0.2702

Monochromacy



Original Color

20.1780, 0.2014, 0.2226

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.5180, 0.2541, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1780, 0.2014, 0.2226 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(40, 130, 191)` looks like.

```
.text, #text, p{  
    color:rgb(40, 130, 191)  
}
```

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(40, 130, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 130, 191) }
```

Border

The CSS property to change the border of an element to Yxy 20.1780, 0.2014, 0.2226 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(40, 130, 191) }
```

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

```
.border{ border-color:rgb(40, 130, 191) }
```

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

Here you see how a box with a 4 pixel rgb(40, 130, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 130, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 130, 191);  
box-shadow:4px 4px 4px 4px rgb(40, 130,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1780, 0.2014, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 130, 191) }
```

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

```
.background{ background-color: rgb(40, 130,  
191) }
```

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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