

Converting Colors

$Yxy(20.1158, 0.1954, 0.2232)$

Have a look what the booklet for
Yxy(20.1158, 0.1954, 0.2232)
contains.

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Color

Yxy(20.0006, 0.1953, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	0183BF
RGB	1, 131, 191
RGB Percent	0%, 51%, 75%
CMY	0.9969, 0.4863, 0.2509
CMYK	1.00, 0.31, 0.00, 0.25
HSL	199°, 99%, 38%
HSV	199°, 100%, 75%
XYZ	17.5319, 20.0006, 52.2368
YIQ	98.9700, -96.7400, -8.9000

Conversions

Conversions Part 2

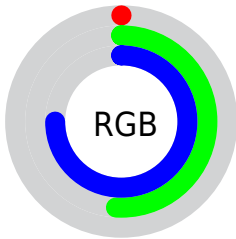
Format	Color
R _Y B	1, 78, 191
Decimal	99263
CIE Lab	51.84, -7.78, -39.61
CIE LCh	52, 40.363, 258.882
Yxy	20.0006, 0.1953, 0.2228
Android (android.graphics.Color)	4278289343 (0xFF0183BF)
YUV	98.9700, 45.3708, -85.9197
Hunter-Lab	44.7220, -8.2879, -37.9472

Details

The Yxy color **20.0006, 0.1953, 0.2228** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **14.3966, 0.5917, 0.3679**, and the grayscale version is **12.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5451, 0.2191, 0.2452**, and **7.8407, 0.1876, 0.1953** is the 20% darker color. If you saturate the color by 10%, you get **19.9297, 0.1951, 0.2223**, and if you desaturate by 10%, it is **21.8100, 0.2005, 0.2346**.

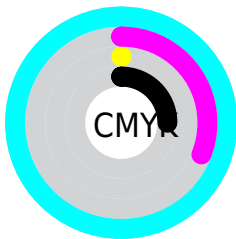
Distribution



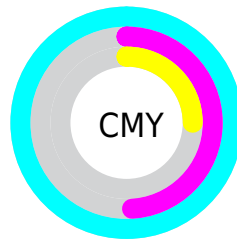
- Red (0%)
- Green (51%)
- Blue (75%)



- Red (0%)
- Yellow (31%)
- Blue (75%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0006, 0.1953, 0.2228 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 20.0006, 0.1953, 0.2228 by changing the saturation by 10% instead.

■ 20.0006, 0.1953,
0.2228

■ 20.0006, 0.1953,
0.2228

■ 251.9184, 0.2583,
0.2813

■ 12.3955, 0.1788,
0.2069

■ 43.4182, 0.2189,
0.2452

■ 7.0136, 0.1575,
0.1859

■ 59.9994, 0.2276,
0.2532

■ 3.4706, 0.1295,
0.1577

■ 80.3415, 0.2349,
0.2599

■ 1.3821, 0.0926,
0.1191

■ 104.8289, 0.2410,
0.2656

■ 0.2035, 0.0007,
0.0411

■ 133.8458, 0.2463,
0.2704

■ 0.0000, 0.0000,
0.0000

■ 167.7768, 0.2508,

0.2745

207.0062, 0.2548,
0.2781

■ 20.0006, 0.1953,
0.2228

■ 20.0006, 0.1953,
0.2228

■ 19.9297, 0.1951,
0.2223

■ 21.8100, 0.2005,
0.2346

■ 23.8555, 0.2074,
0.2465

■ 26.1858, 0.2163,
0.2585

■ 28.8272, 0.2271,
0.2703

■ 31.8023, 0.2395,
0.2818

■ 35.1308, 0.2532,
0.2928

■ 38.8309, 0.2677,
0.3031

■ 42.9192, 0.2828,
0.3126

■ 47.4111, 0.2981,
0.3214

Harmonies

Analogous

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



20.0006, 0.1835, 0.2569



20.0006, 0.1953, 0.2228



20.0006, 0.2343, 0.2162

Triad

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



20.0006, 0.1953, 0.2228



20.0006, 0.4379, 0.3188



20.0006, 0.3127, 0.4573

Complementary

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



20.0006, 0.1953, 0.2228



14.3966, 0.5917, 0.3679

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.



20.0006, 0.3834, 0.4627



20.0006, 0.1953, 0.2228



20.0006, 0.4612, 0.3739

Square

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



20.0006, 0.1953, 0.2228



20.0006, 0.3748, 0.2694



20.0006, 0.4389, 0.4267



20.0006, 0.2457, 0.4000

Rectangle

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



20.0006, 0.1953, 0.2228



20.0006, 0.2745, 0.2251



20.0006, 0.4389, 0.4267



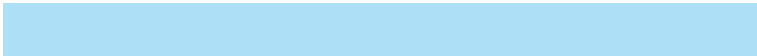
20.0006, 0.3368, 0.4651

Sweetspot

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



20.0012, 0.1953, 0.2228



68.9169, 0.2664, 0.3022



37.5786, 0.2888, 0.5592



14.4999, 0.2601, 0.2979



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.



20.0012, 0.1953, 0.2228



35.2311, 0.1946, 0.2205



5.2075, 0.1557, 0.0800



10.2880, 0.2985, 0.3216



13.2443, 0.1955, 0.2239



0.6312, 0.2034, 0.2520

Inverse Universe

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



12.7346, 0.4202, 0.2091



22.7143, 0.4227, 0.2102



33.8537, 0.4595, 0.4731



9.6436, 0.3184, 0.3134



8.3667, 0.4191, 0.2082



0.3391, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 20.0006, 0.1953, 0.2228 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 20.0006, 0.1953, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

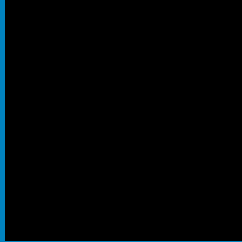
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0006, 0.1953, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 20.0006, 0.1953, 0.2228.

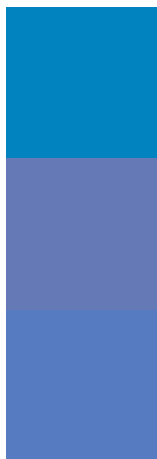


This preview shows how white text looks on a background with the Yxy color 20.0006, 0.1953, 0.2228.

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

20.0006, 0.1953, 0.2228

Protanopia

19.9184, 0.2362, 0.2255

Deuteranopia

19.9946, 0.2191, 0.2132



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

20.0006, 0.1953, 0.2228

Protanomaly

19.3362, 0.2114, 0.2224

Deuteranomaly

19.5397, 0.2044, 0.2153

Tritanomaly

19.9723, 0.2094, 0.2738

Monochromacy



Original Color

20.0006, 0.1953, 0.2228

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.0916, 0.2384, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0006, 0.1953, 0.2228 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(1, 131, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 131, 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(1, 131, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 131, 191) }
```

Border

The CSS property to change the border of an element to Yxy 20.0006, 0.1953, 0.2228 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(1, 131, 191) }
```

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

```
.border{ border-color:rgb(1, 131, 191) }
```

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

Here you see how a box with a 4 pixel rgb(1, 131, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 131, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 131, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 131,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0006, 0.1953, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 131, 191) }
```

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

```
.background{ background-color: rgb(1, 131,  
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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