

Converting Colors

$Yxy(10.0995, 0.1850, 0.2192)$

Have a look what the booklet for
Yxy(10.0995, 0.1850, 0.2192)
contains.

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Color

Yxy(10.5326, 0.1952, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	00618F
RGB	0, 97, 143
RGB Percent	0%, 38%, 56%
CMY	1.0000, 0.6196, 0.4392
CMYK	1.00, 0.32, 0.00, 0.44
HSL	199°, 100%, 28%
HSV	199°, 100%, 56%
XYZ	9.2320, 10.5326, 27.5304
YIQ	73.2410, -72.5780, -6.2580

Conversions

Conversions Part 2

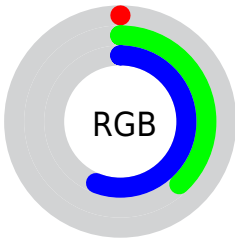
Format	Color
R_{YB}	0, 58, 143
Decimal	24975
CIE _{Lab}	38.78, -6.29, -32.02
CIE _{LCh}	39, 32.629, 258.885
Yxy	10.5326, 0.1952, 0.2227
Android (android.graphics.Color)	4278215055 (0xFF00618F)
YUV	73.2410, 34.3912, -64.2324
Hunter-Lab	32.4540, -6.0176, -27.5774

Details

The Yxy color **10.5326, 0.1952, 0.2227** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.7924, 0.5872, 0.3719**, and the grayscale version is **6.6555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6480, 0.2229, 0.2484**, and **3.1404, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **10.5330, 0.1952, 0.2227**, and if you desaturate by 10%, it is **11.5035, 0.2010, 0.2346**.

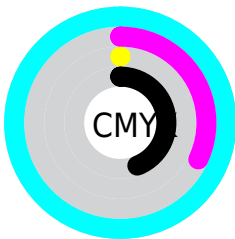
Distribution



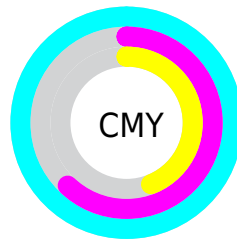
- Red (0%)
- Green (38%)
- Blue (56%)



- Red (0%)
- Yellow (23%)
- Blue (56%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (62%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5326, 0.1952, 0.2227 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 10.5326, 0.1952, 0.2227 by changing the saturation by 10% instead.

■ 10.5326, 0.1952,
0.2227

■ 10.5326, 0.1952,
0.2227

■ 194.4322, 0.2645,
0.2869

■ 5.7535, 0.1741,
0.2023

■ 26.7926, 0.2232,
0.2491

■ 2.6958, 0.1450,
0.1735

■ 39.0422, 0.2329,
0.2581

■ 0.9750, 0.1037,
0.1313

■ 54.5508, 0.2407,
0.2653

■ 0.0000, 0.0000,
0.0000

■ 73.7028, 0.2471,
0.2712

■ 96.8825, 0.2525,
0.2761

■ 124.4744, 0.2571,

0.2802

156.8628, 0.2611,
0.2838

■ 10.5326, 0.1952,
0.2227

■ 10.5326, 0.1952,
0.2227

■ 10.5330, 0.1952,
0.2227

■ 11.5035, 0.2010,
0.2346

■ 12.5880, 0.2081,
0.2465

■ 13.8198, 0.2172,
0.2585

■ 15.2115, 0.2280,
0.2702

■ 16.7741, 0.2403,
0.2817

■ 18.5174, 0.2537,
0.2926

■ 20.4502, 0.2680,
0.3028

■ 22.5808, 0.2828,
0.3124

■ 24.9167, 0.2978,
0.3211

Harmonies

Analogous

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



10.5326, 0.1834, 0.2568



10.5326, 0.1952, 0.2227



10.5326, 0.2342, 0.2161

Triad

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



10.5326, 0.1952, 0.2227



10.5326, 0.4380, 0.3188



10.5326, 0.3126, 0.4574

Complementary

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



10.5326, 0.1952, 0.2227



7.7924, 0.5872, 0.3719

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.



10.5326, 0.3835, 0.4628



10.5326, 0.1952, 0.2227



10.5326, 0.4613, 0.3739

Square

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



10.5326, 0.1952, 0.2227



10.5326, 0.3749, 0.2693



10.5326, 0.4390, 0.4268



10.5326, 0.2456, 0.4001

Rectangle

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



10.5326, 0.1952, 0.2227



10.5326, 0.2745, 0.2250



10.5326, 0.4390, 0.4268



10.5326, 0.3368, 0.4652

Sweetspot

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



10.5330, 0.1952, 0.2227



36.3965, 0.2671, 0.3022



19.8348, 0.2867, 0.5520



8.0390, 0.2616, 0.2984



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



10.5330, 0.1952, 0.2227



18.5447, 0.1945, 0.2203



2.7314, 0.1555, 0.0796



5.8278, 0.2990, 0.3218



9.3528, 0.1954, 0.2233



0.1294, 0.2103, 0.2770

Inverse Universe

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



6.7022, 0.4203, 0.2089



11.9715, 0.4229, 0.2103



18.5101, 0.4550, 0.4769



5.4819, 0.3183, 0.3142



5.9305, 0.4197, 0.2086



0.0607, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 10.5326, 0.1952, 0.2227 looks on a white 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

Black Background



This preview shows how the Yxy color 10.5326, 0.1952, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

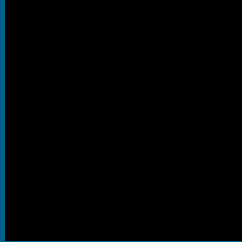
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.5326, 0.1952, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 10.5326, 0.1952, 0.2227.



This preview shows how white text looks on a background with the Yxy color 10.5326, 0.1952, 0.2227.

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

10.5326, 0.1952, 0.2227

Protanopia

10.6143, 0.2365, 0.2267

Deuteranopia

10.5199, 0.2190, 0.2141



Tritanopia

10.6069, 0.2194, 0.3098

Trichromacy



Original Color

10.5326, 0.1952, 0.2227

Protanomaly

10.3212, 0.2128, 0.2243

Deuteranomaly

10.2737, 0.2042, 0.2144

Tritanomaly

10.4948, 0.2097, 0.2748

Monochromacy



Original Color

10.5326, 0.1952, 0.2227

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.4973, 0.2394, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5326, 0.1952, 0.2227 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(0, 97, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 143)  
}
```

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(0, 97, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 143) }
```

Border

The CSS property to change the border of an element to Yxy 10.5326, 0.1952, 0.2227 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(0, 97, 143) }
```

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

```
.border{ border-color:rgb(0, 97, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 143)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5326, 0.1952, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 143) }
```

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

```
.background{ background-color: rgb(0, 97,  
143) }
```

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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