

Converting Colors

$Y_{xy}(17.6347, 0.1923, 0.1969)$

Have a look what the booklet for
Yxy(17.6347, 0.1923, 0.1969)
contains.

Yxy(17.7255, 0.1925, 0.1975)	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>	29

Color

Yxy(17.7255, 0.1925, 0.1975)

Conversions

Conversions Part 1

Format	Color
Hex	2078C4
RGB	32, 120, 196
RGB Percent	13%, 47%, 77%
CMY	0.8746, 0.5294, 0.2313
CMYK	0.84, 0.39, 0.00, 0.23
HSL	208°, 72%, 45%
HSV	208°, 84%, 77%
XYZ	17.2768, 17.7255, 54.7471
YIQ	102.3520, -76.8440, 4.9800

Conversions

Conversions Part 2

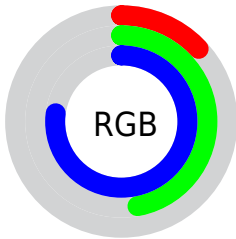
Format	Color
R_{YB}	32, 89, 196
Decimal	2128068
CIE _{Lab}	49.16, 2.37, -46.69
CIE _{LCh}	49, 46.749, 272.900
Yxy	17.7255, 0.1925, 0.1975
Android (android.graphics.Color)	4280318148 (0xFF2078C4)
YUV	102.3520, 46.1685, -61.6987
Hunter-Lab	42.1017, -0.4290, -47.6269

Details

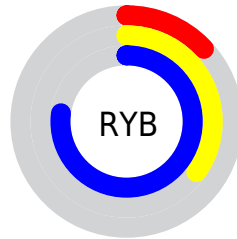
The Yxy color **17.7255, 0.1925, 0.1975** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **22.5668, 0.5145, 0.4089**, and the grayscale version is **13.2744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6002, 0.2171, 0.2244**, and **6.5877, 0.1788, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **15.4179, 0.1846, 0.1801**, and if you desaturate by 10%, it is **20.4279, 0.2027, 0.2154**.

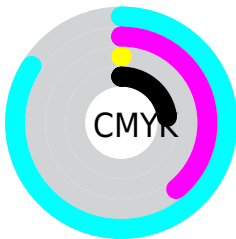
Distribution



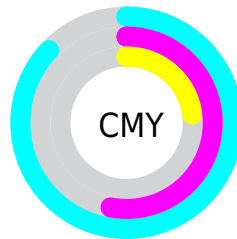
- Red (13%)
- Green (47%)
- Blue (77%)



- Red (13%)
- Yellow (35%)
- Blue (77%)



- Cyan (84%)
- Magenta (39%)
- Yellow (0%)
- Black (23%)



- Cyan (87%)
- Magenta (53%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7255, 0.1925, 0.1975 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 17.7255, 0.1925, 0.1975 by changing the saturation by 10% instead.

■ 17.7255, 0.1925,
0.1975

■ 17.7255, 0.1925,
0.1975

■ 239.3192, 0.2579,
0.2685

■ 10.7531, 0.1752,
0.1790

■ 39.5690, 0.2172,
0.2241

■ 5.9011, 0.1530,
0.1552

■ 55.2089, 0.2262,
0.2339

■ 2.7850, 0.1239,
0.1245

■ 74.5068, 0.2337,
0.2421

■ 1.0205, 0.0862,
0.0850

■ 97.8470, 0.2401,
0.2490

■ 0.0000, 0.0000,
0.0000

■ 125.6140, 0.2455,
0.2549

158.1921, 0.2502,

0.2601

195.9657, 0.2543,
0.2645

■ 17.7255, 0.1925,
0.1975

■ 17.7255, 0.1925,
0.1975

■ 15.4179, 0.1846,
0.1801

■ 20.4279, 0.2027,
0.2154

■ 14.1268, 0.1804,
0.1695

■ 23.5579, 0.2150,
0.2335

■ 27.1452, 0.2289,
0.2512

■ 31.2156, 0.2440,
0.2682

■ 35.7927, 0.2597,
0.2843

■ 40.8981, 0.2757,
0.2991

■ 46.5519, 0.2916,
0.3126

■ 52.7729, 0.3071,
0.3248

■ 59.5792, 0.3221,
0.3357

Harmonies

Analogous

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



17.7255, 0.1648, 0.2197



17.7255, 0.1925, 0.1975



17.7255, 0.2511, 0.2038

Triad

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



17.7255, 0.1925, 0.1975



17.7255, 0.4832, 0.3434



17.7255, 0.2711, 0.4615

Complementary

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



17.7255, 0.1925, 0.1975



22.5668, 0.5145, 0.4089

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.



17.7255, 0.3550, 0.4962



17.7255, 0.1925, 0.1975



17.7255, 0.4820, 0.4073

Square

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



17.7255, 0.1925, 0.1975



17.7255, 0.4272, 0.2834



17.7255, 0.4322, 0.4664



17.7255, 0.2033, 0.3690

Rectangle

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



17.7255, 0.1925, 0.1975



17.7255, 0.3061, 0.2216



17.7255, 0.4322, 0.4664



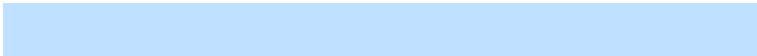
17.7255, 0.2984, 0.4814

Sweetspot

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



17.7261, 0.1925, 0.1975



72.4270, 0.2730, 0.2966



40.8321, 0.2729, 0.4860



14.7849, 0.2673, 0.2914



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.



17.7261, 0.1925, 0.1975



25.0631, 0.1797, 0.1670



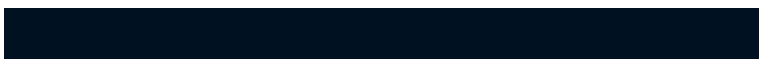
5.8227, 0.1620, 0.0833



10.6230, 0.2984, 0.3181



9.2489, 0.1811, 0.1718



0.5364, 0.1917, 0.2101

Inverse Universe

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



14.1262, 0.4454, 0.2359



23.0613, 0.4843, 0.2442



47.7314, 0.4219, 0.4914



10.1662, 0.3207, 0.3167



8.2159, 0.4784, 0.2409



0.3688, 0.4340, 0.2165

Previews

White Background



This preview shows how the Yxy color 17.7255, 0.1925, 0.1975 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 17.7255, 0.1925, 0.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

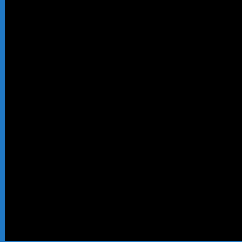
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7255, 0.1925, 0.1975

Background



This preview shows how black text looks on a background with the Yxy color 17.7255, 0.1925, 0.1975.



This preview shows how white text looks on a background with the Yxy color 17.7255, 0.1925, 0.1975.

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

17.7255, 0.1925, 0.1975

Protanopia

17.7308, 0.2176, 0.2015

Deuteranopia

17.6836, 0.2000, 0.1939

Trichromacy



Original Color

17.7255, 0.1925, 0.1975

Protanomaly

17.4548, 0.2052, 0.1989

Deuteranomaly

17.6411, 0.1964, 0.1944

Monochromacy



Original Color

17.7255, 0.1925, 0.1975

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.2926, 0.2465, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7255, 0.1925, 0.1975 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(32, 120, 196)` looks like.

```
.text, #text, p{  
    color:rgb(32, 120, 196)  
}
```

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(32, 120, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 120, 196) }
```

Border

The CSS property to change the border of an element to Yxy 17.7255, 0.1925, 0.1975 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(32, 120, 196) }
```

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

```
.border{ border-color:rgb(32, 120, 196) }
```

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

Here you see how a box with a 4 pixel rgb(32, 120, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 120, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 120, 196);  
box-shadow:4px 4px 4px 4px rgb(32, 120,  
196) }
```

Background

The CSS property to change the background color of an element to Yxy 17.7255, 0.1925, 0.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 120, 196) }
```

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

```
.background{ background-color: rgb(32, 120,  
196) }
```

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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