

Converting Colors

$Y_{xy}(17.1612, 0.2256, 0.1618)$

Have a look what the booklet for
Yxy(17.1612, 0.2256, 0.1618)
contains.

Yxy(17.1629, 0.2256, 0.1618)	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(17.1629, 0.2256, 0.1618)

Conversions

Conversions Part 1

Format	Color
Hex	7860D5
RGB	120, 96, 213
RGB Percent	47%, 38%, 84%
CMY	0.5296, 0.6234, 0.1648
CMYK	0.44, 0.55, 0.00, 0.16
HSL	252°, 58%, 61%
HSV	252°, 55%, 84%
XYZ	23.9305, 17.1629, 64.9814
YIQ	116.5140, -23.2530, 41.4750

Conversions

Conversions Part 2

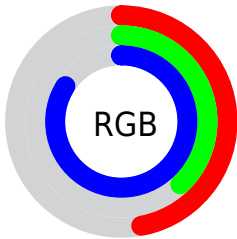
Format	Color
R_{YB}	120, 96, 213
Decimal	7889109
CIE _{Lab}	48.46, 37.86, -57.24
CIE _{LCh}	48, 68.628, 303.481
Yxy	17.1629, 0.2256, 0.1618
Android (android.graphics.Color)	4286079189 (0xFF7860D5)
YUV	116.5140, 47.5676, 3.0572
Hunter-Lab	41.4281, 30.6092, -63.9987

Details

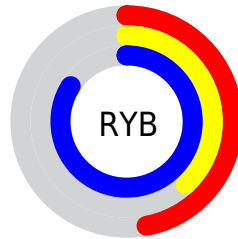
The Yxy color **17.1629, 0.2256, 0.1618** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.2427, 0.3717, 0.4695**, and the grayscale version is **17.4874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4345, 0.2541, 0.2041**, and **5.5724, 0.1934, 0.1181** is the 20% darker color. If you saturate the color by 10%, you get **12.6829, 0.2070, 0.1306**, and if you desaturate by 10%, it is **22.9108, 0.2444, 0.1951**.

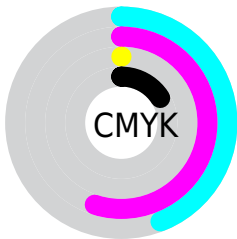
Distribution



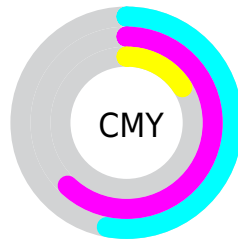
- Red (47%)
- Green (38%)
- Blue (84%)



- Red (47%)
- Yellow (38%)
- Blue (84%)



- Cyan (44%)
- Magenta (55%)
- Yellow (0%)
- Black (16%)





- Cyan (53%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1629, 0.2256, 0.1618 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 17.1629, 0.2256, 0.1618 by changing the saturation by 10% instead.


 17.1629, 0.2256,
0.1618


 17.1629, 0.2256,
0.1618


236.1094, 0.2754,
0.2454


 10.3507, 0.2118,
0.1423


 38.6056, 0.2449,
0.1915


 5.6321, 0.1935,
0.1186


 54.0050, 0.2518,
0.2029

 2.6227, 0.1689,
0.0899

 73.0355, 0.2575,
0.2126

 0.9381, 0.1352,
0.0567

 96.0816, 0.2623,
0.2210

 0.0000, 0.0917,
0.0000

123.5276, 0.2663,
0.2283

 0.0000, 0.0000,
0.0000

155.7580, 0.2698,

0.2347

193.1571, 0.2727,
0.2404

■ 17.1629, 0.2256,
0.1618

■ 17.1629, 0.2256,
0.1618

■ 12.6829, 0.2070,
0.1306

■ 22.9108, 0.2444,
0.1951

■ 9.3706, 0.1898,
0.1037

■ 30.0127, 0.2624,
0.2284

■ 7.1132, 0.1751,
0.0831

■ 38.5491, 0.2790,
0.2604

■ 5.7735, 0.1639,
0.0699


■ 48.5938, 0.2939,
0.2900

■ 5.3285, 0.1596,
0.0653

■ 60.2152, 0.3070,
0.3169

 73.4779, 0.3183,
0.3408

 88.4424, 0.3279,
0.3619

 97.5825, 0.3376,
0.3701

Harmonies

Analogous

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



17.1629, 0.1508, 0.1517



17.1629, 0.2256, 0.1618



17.1629, 0.3467, 0.2004

Triad

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



17.1629, 0.2256, 0.1618



17.1629, 0.5424, 0.4169



17.1629, 0.1550, 0.3813

Complementary

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



17.1629, 0.2256, 0.1618



59.2427, 0.3717, 0.4695

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.



17.1629, 0.2412, 0.5367



17.1629, 0.2256, 0.1618



17.1629, 0.4611, 0.5077

Square

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



17.1629, 0.2256, 0.1618



17.1629, 0.5596, 0.3356



17.1629, 0.3527, 0.5758



17.1629, 0.1161, 0.2439

Rectangle

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



17.1629, 0.2256, 0.1618



17.1629, 0.4402, 0.2398



17.1629, 0.3527, 0.5758



17.1629, 0.1788, 0.4378

Sweetspot

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



17.1635, 0.2256, 0.1618



71.0306, 0.2921, 0.2864



43.9367, 0.2365, 0.2956



14.5033, 0.2891, 0.2804



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.



17.1635, 0.2256, 0.1618



18.0624, 0.2038, 0.1255



22.6254, 0.2815, 0.1845



12.1298, 0.3013, 0.3051



3.2911, 0.1606, 0.0658



0.2342, 0.1772, 0.0750

Inverse Universe

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



26.1888, 0.3456, 0.2218



33.2254, 0.3550, 0.2047



53.2523, 0.3266, 0.4930



12.5871, 0.3169, 0.3106



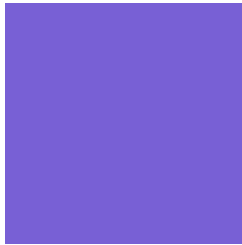
10.4157, 0.3802, 0.1868



0.6395, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 17.1629, 0.2256, 0.1618 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 17.1629, 0.2256, 0.1618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

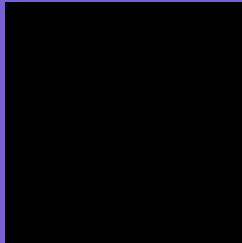
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1629, 0.2256, 0.1618

Background



This preview shows how black text looks on a background with the Yxy color 17.1629, 0.2256, 0.1618.



This preview shows how white text looks on a background with the Yxy color 17.1629, 0.2256, 0.1618.

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

17.1629, 0.2256, 0.1618

Protanopia

17.4193, 0.1800, 0.1522

Deuteranopia

17.2276, 0.1830, 0.1789



Tritanopia

17.1120, 0.2780, 0.3087

Trichromacy



Original Color

17.1629, 0.2256, 0.1618

Protanomaly

16.8291, 0.1897, 0.1536

Deuteranomaly

16.0762, 0.1866, 0.1665

Tritanomaly

16.7192, 0.2555, 0.2403

Monochromacy



Original Color

17.1629, 0.2256, 0.1618

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0558, 0.2749, 0.2520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1629, 0.2256, 0.1618 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(120, 96, 213)` looks like.

```
.text, #text, p{  
    color:rgb(120, 96, 213)  
}
```

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(120, 96, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 96, 213) }
```

Border

The CSS property to change the border of an element to Yxy 17.1629, 0.2256, 0.1618 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(120, 96, 213) }
```

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

```
.border{ border-color:rgb(120, 96, 213) }
```

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

Here you see how a box with a 4 pixel rgb(120, 96, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 96, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 96, 213);  
box-shadow:4px 4px 4px 4px rgb(120, 96,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1629, 0.2256, 0.1618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 96, 213) }
```

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

```
.background{ background-color: rgb(120, 96,  
213) }
```

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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