

Converting Colors

$Y_{xy}(17.5012, 0.2115, 0.2520)$

Have a look what the booklet for
Yxy(17.5012, 0.2115, 0.2520)
contains.

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Color

Yxy(17.5108, 0.2115, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	287CA3
RGB	40, 124, 163
RGB Percent	16%, 49%, 64%
CMY	0.8435, 0.5137, 0.3608
CMYK	0.76, 0.24, 0.00, 0.36
HSL	199°, 61%, 40%
HSV	199°, 76%, 64%
XYZ	14.6907, 17.5108, 37.2582
YIQ	103.3300, -62.5830, -5.6790

Conversions

Conversions Part 2

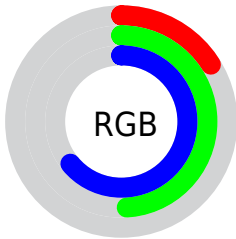
Format	Color
R_{YB}	40, 90, 163
Decimal	2653347
CIE _{Lab}	48.90, -11.40, -28.00
CIE _{LCh}	49, 30.229, 247.848
Yxy	17.5108, 0.2115, 0.2521
Android (android.graphics.Color)	4280843427 (0xFF287CA3)
YUV	103.3300, 29.4173, -55.5404
Hunter-Lab	41.8459, -10.5648, -23.4977

Details

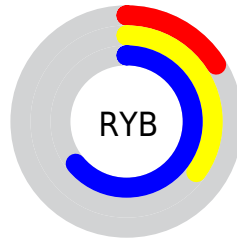
The Yxy color **17.5108, 0.2115, 0.2521** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.5162, 0.5157, 0.3814**, and the grayscale version is **13.5816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3898, 0.2335, 0.2707**, and **6.1799, 0.1957, 0.2246** is the 20% darker color. If you saturate the color by 10%, you get **15.9910, 0.2036, 0.2402**, and if you desaturate by 10%, it is **19.2372, 0.2213, 0.2640**.

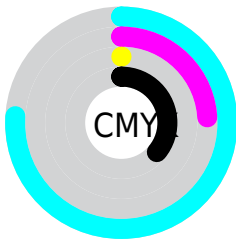
Distribution



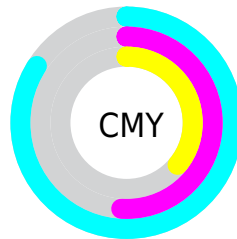
- Red (16%)
- Green (49%)
- Blue (64%)



- Red (16%)
- Yellow (35%)
- Blue (64%)



- Cyan (76%)
- Magenta (24%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5108, 0.2115, 0.2521 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 17.5108, 0.2115, 0.2521 by changing the saturation by 10% instead.

■ 17.5108, 0.2115,
0.2521

■ 17.5108, 0.2115,
0.2521

■ 238.0990, 0.2678,
0.2966

■ 10.5993, 0.1957,
0.2387

■ 39.2020, 0.2333,
0.2699

■ 5.7981, 0.1744,
0.2202

■ 54.7504, 0.2411,
0.2761

■ 2.7227, 0.1450,
0.1932

■ 73.9467, 0.2475,
0.2811

■ 0.9887, 0.1012,
0.1521

■ 97.1752, 0.2529,
0.2853

■ 0.0000, 0.0000,
0.0000

■ 124.8203, 0.2574,
0.2888

■ 157.2664, 0.2614,

0.2918

194.8978, 0.2648,
0.2944

■ 17.5108, 0.2115,
0.2521

■ 17.5108, 0.2115,
0.2521

■ 15.9910, 0.2036,
0.2402

■ 19.2372, 0.2213,
0.2640

■ 14.6549, 0.1977,
0.2284

■ 21.1849, 0.2327,
0.2756

■ 14.0948, 0.1953,
0.2232

■ 23.3688, 0.2456,
0.2868

■ 25.8019, 0.2596,
0.2974

■ 28.4959, 0.2742,
0.3073

■ 31.4617, 0.2893,
0.3164

■ 34.7095, 0.3044,
0.3247

■ 38.2489, 0.3194,
0.3323

■ 42.0890, 0.3340,
0.3390

Harmonies

Analogous

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



17.5108, 0.2107, 0.2897



17.5108, 0.2115, 0.2521



17.5108, 0.2358, 0.2375

Triad

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



17.5108, 0.2115, 0.2521



17.5108, 0.3953, 0.3065



17.5108, 0.3358, 0.4341

Complementary

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



17.5108, 0.2115, 0.2521



13.5162, 0.5157, 0.3814

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.



17.5108, 0.3890, 0.4279



17.5108, 0.2115, 0.2521



17.5108, 0.4268, 0.3512

Square

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



17.5108, 0.2115, 0.2521



17.5108, 0.3400, 0.2687



17.5108, 0.4234, 0.3952



17.5108, 0.2791, 0.4030

Rectangle

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



17.5108, 0.2115, 0.2521



17.5108, 0.2641, 0.2397



17.5108, 0.4234, 0.3952



17.5108, 0.3547, 0.4360

Sweetspot

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



17.5114, 0.2115, 0.2521



52.1031, 0.2774, 0.3092



27.2082, 0.2826, 0.5001



11.3070, 0.2722, 0.3060



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.5114, 0.2115, 0.2521



26.8928, 0.1992, 0.2318



6.5899, 0.1801, 0.1286



7.6310, 0.2987, 0.3217



11.0375, 0.1956, 0.2243



0.3109, 0.2074, 0.2667

Inverse Universe

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



10.7533, 0.3871, 0.2135



16.6352, 0.4101, 0.2077



26.8234, 0.4327, 0.4656



7.1638, 0.3183, 0.3138



6.9584, 0.4187, 0.2080



0.1542, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 17.5108, 0.2115, 0.2521 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 17.5108, 0.2115, 0.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

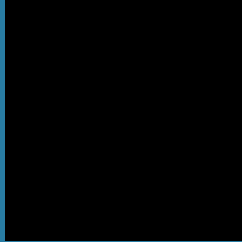
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5108, 0.2115, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 17.5108, 0.2115, 0.2521.

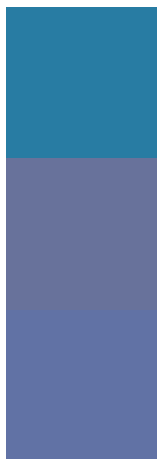


This preview shows how white text looks on a background with the Yxy color 17.5108, 0.2115, 0.2521.

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

17.5108, 0.2115, 0.2521

Protanopia

17.3442, 0.2579, 0.2535

Deuteranopia

17.2926, 0.2429, 0.2368



Tritanopia

17.3605, 0.2193, 0.3047

Trichromacy



Original Color

17.5108, 0.2115, 0.2521

Protanomaly

17.1748, 0.2358, 0.2524

Deuteranomaly

17.1737, 0.2279, 0.2422

Tritanomaly

17.4656, 0.2154, 0.2845

Monochromacy



Original Color

17.5108, 0.2115, 0.2521

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.5550, 0.2602, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5108, 0.2115, 0.2521 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, 124, 163)` looks like.

```
.text, #text, p{  
  color:rgb(40, 124, 163)  
}
```

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, 124, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 124, 163) }
```

Border

The CSS property to change the border of an element to Yxy 17.5108, 0.2115, 0.2521 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, 124, 163) }
```

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

```
.border{ border-color:rgb(40, 124, 163) }
```

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

Here you see how a box with a 4 pixel rgb(40, 124, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 124, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 124, 163);  
box-shadow:4px 4px 4px 4px rgb(40, 124,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5108, 0.2115, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 124, 163) }
```

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

```
.background{ background-color: rgb(40, 124,  
163) }
```

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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