

Converting Colors

$Y_{xy}(28.3781, 0.2117, 0.2747)$

Have a look what the booklet for
Yxy(28.3781, 0.2117, 0.2747)
contains.

Yxy(28.3420, 0.2117, 0.2746)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3420, 0.2117, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	169EBE
RGB	22, 158, 190
RGB Percent	9%, 62%, 75%
CMY	0.9136, 0.3804, 0.2550
CMYK	0.88, 0.17, 0.00, 0.25
HSL	191°, 79%, 42%
HSV	191°, 88%, 75%
XYZ	21.8500, 28.3420, 53.0200
YIQ	120.9840, -91.3280, -18.8800

Conversions

Conversions Part 2

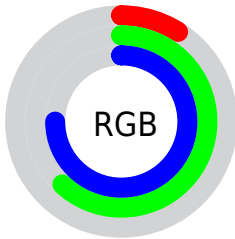
Format	Color
R_{YB}	22, 97, 190
Decimal	1482430
CIE _{Lab}	60.20, -22.14, -25.97
CIE _{LCh}	60, 34.127, 229.558
Yxy	28.3420, 0.2117, 0.2746
Android (android.graphics.Color)	4279672510 (0xFF169EBE)
YUV	120.9840, 34.0249, -86.8090
Hunter-Lab	53.2372, -19.9039, -21.7820

Details

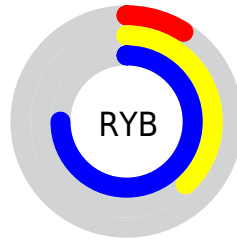
The Yxy color **28.3420, 0.2117, 0.2746** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.6406, 0.5890, 0.3540**, and the grayscale version is **19.0283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1259, 0.2313, 0.2872**, and **12.1142, 0.2045, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **26.9759, 0.2080, 0.2678**, and if you desaturate by 10%, it is **29.8962, 0.2171, 0.2815**.

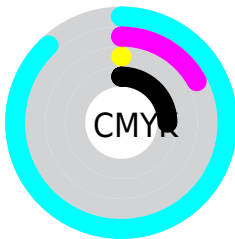
Distribution



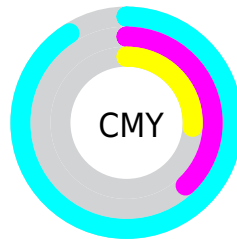
- Red (9%)
- Green (62%)
- Blue (75%)



- Red (9%)
- Yellow (38%)
- Blue (75%)



- Cyan (88%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)




- Cyan (91%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3420, 0.2117, 0.2746 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 28.3420, 0.2117, 0.2746 by changing the saturation by 10% instead.


 28.3420, 0.2117,
0.2746


 28.3420, 0.2117,
0.2746


294.0975, 0.2639,
0.3051


 18.5836, 0.1984,
0.2659


 57.0300, 0.2310,
0.2865

 11.3698, 0.1813,
0.2543


 76.7284, 0.2381,
0.2907


 6.3161, 0.1587,
0.2377


 100.5090, 0.2441,
0.2942

 3.0383, 0.1280,
0.2131

 128.7560, 0.2493,
0.2971

 1.1517, 0.0809,
0.1749

 161.8540, 0.2537,
0.2995

 0.0217, 0.0000,
0.0101

200.1874, 0.2575,

 0.0000, 0.0000,

0.3017

0.0000

244.1404, 0.2609,
0.3035

■ 28.3420, 0.2117,
0.2746

■ 28.3420, 0.2117,
0.2746

■ 26.9759, 0.2080,
0.2678

■ 29.8962, 0.2171,
0.2815

■ 26.7656, 0.2074,
0.2667

■ 31.6743, 0.2245,
0.2884

■ 33.7017, 0.2337,
0.2952

■ 35.9991, 0.2446,
0.3018

■ 38.5848, 0.2569,
0.3082

■ 41.4754, 0.2705,
0.3142

■ 44.6859, 0.2849,
0.3198

■ 48.2305, 0.2999,
0.3250

■ 52.1224, 0.3152,
0.3297

Harmonies

Analogous

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



28.3420, 0.2254, 0.3230



28.3420, 0.2117, 0.2746



28.3420, 0.2215, 0.2468

Triad

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



28.3420, 0.2117, 0.2746



28.3420, 0.3613, 0.2839



28.3420, 0.3678, 0.4303

Complementary

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



28.3420, 0.2117, 0.2746



13.6406, 0.5890, 0.3540

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.



28.3420, 0.4095, 0.4074



28.3420, 0.2117, 0.2746



28.3420, 0.4075, 0.3240

Square

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



28.3420, 0.2117, 0.2746



28.3420, 0.3038, 0.2544



28.3420, 0.4252, 0.3679



28.3420, 0.3135, 0.4222

Rectangle

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



28.3420, 0.2117, 0.2746



28.3420, 0.2406, 0.2405



28.3420, 0.4252, 0.3679



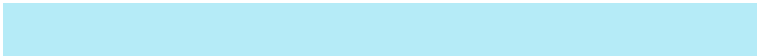
28.3420, 0.3838, 0.4255

Sweetspot

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



28.3430, 0.2117, 0.2746



75.7171, 0.2719, 0.3147



37.2429, 0.2930, 0.5631



16.2107, 0.2670, 0.3127



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.



28.3430, 0.2117, 0.2746



48.1675, 0.2071, 0.2656



8.9487, 0.1714, 0.1262



10.4924, 0.2985, 0.3245



17.9112, 0.2077, 0.2676



0.7825, 0.2122, 0.2839

Inverse Universe

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



13.9879, 0.3679, 0.1858



24.0203, 0.3770, 0.1850



28.8347, 0.4744, 0.4516



9.6643, 0.3166, 0.3106



8.8378, 0.3751, 0.1840



0.3544, 0.3599, 0.1756

Previews

White Background



This preview shows how the Yxy color 28.3420, 0.2117, 0.2746 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 28.3420, 0.2117, 0.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

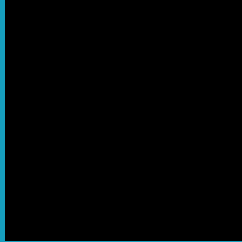
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3420, 0.2117, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 28.3420, 0.2117, 0.2746.

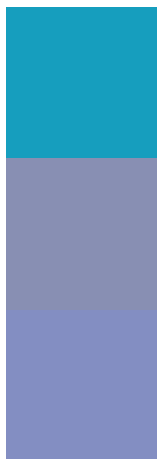


This preview shows how white text looks on a background with the Yxy color 28.3420, 0.2117, 0.2746.

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

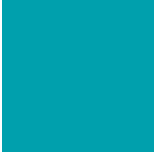
28.3420, 0.2117, 0.2746

Protanopia

28.1338, 0.2734, 0.2736

Deuteranopia

28.0663, 0.2574, 0.2511



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.3420, 0.2117, 0.2746



Protanomaly

27.0316, 0.2394, 0.2713



Deuteranomaly

27.2542, 0.2310, 0.2566



Tritanomaly

28.1026, 0.2156, 0.2936

Monochromacy



Original Color

28.3420, 0.2117, 0.2746



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.0568, 0.2536, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3420, 0.2117, 0.2746 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(22, 158, 190)` looks like.

```
.text, #text, p{  
    color:rgb(22, 158, 190)  
}
```

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(22, 158, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 158, 190) }
```

Border

The CSS property to change the border of an element to Yxy 28.3420, 0.2117, 0.2746 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(22, 158, 190) }
```

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

```
.border{ border-color:rgb(22, 158, 190) }
```

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

Here you see how a box with a 4 pixel rgb(22, 158, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 158, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 158, 190);  
box-shadow:4px 4px 4px 4px rgb(22, 158,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3420, 0.2117, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 158, 190) }
```

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

```
.background{ background-color: rgb(22, 158,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor