

Converting Colors

$Y_{xy}(16.0568, 0.2129, 0.2790)$

Have a look what the booklet for
Yxy(16.0568, 0.2129, 0.2790)
contains.

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Color

Yxy(16.0568, 0.2129, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	0E7A91
RGB	14, 122, 145
RGB Percent	5%, 48%, 57%
CMY	0.9446, 0.5216, 0.4314
CMYK	0.90, 0.16, 0.00, 0.43
HSL	191°, 82%, 31%
HSV	191°, 90%, 57%
XYZ	12.2527, 16.0568, 29.2418
YIQ	92.3300, -71.7510, -15.7430

Conversions

Conversions Part 2

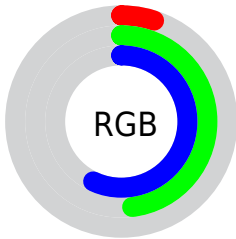
Format	Color
R_{YB}	14, 73, 145
Decimal	948881
CIE _{Lab}	47.05, -19.18, -20.33
CIE _{LCh}	47, 27.951, 226.666
Yxy	16.0568, 0.2129, 0.2790
Android (android.graphics.Color)	4279138961 (0xFF0E7A91)
YUV	92.3300, 25.9663, -68.6954
Hunter-Lab	40.0709, -15.5434, -15.2173

Details

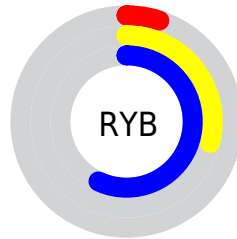
The Yxy color **16.0568, 0.2129, 0.2790** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3824, 0.5917, 0.3516**, and the grayscale version is **10.7421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8582, 0.2352, 0.2923**, and **5.5732, 0.2057, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **15.3616, 0.2092, 0.2730**, and if you desaturate by 10%, it is **16.8528, 0.2180, 0.2852**.

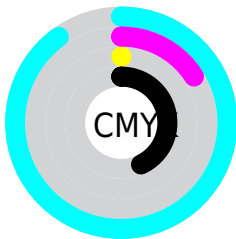
Distribution



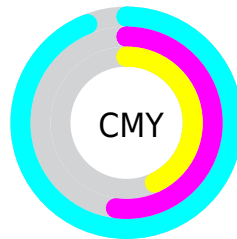
- Red (5%)
- Green (48%)
- Blue (57%)



- Red (5%)
- Yellow (29%)
- Blue (57%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (43%)



- Cyan (94%)
- Magenta (52%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0568, 0.2129, 0.2790 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 16.0568, 0.2129, 0.2790 by changing the saturation by 10% instead.

16.0568, 0.2129,
0.2790

16.0568, 0.2129,
0.2790

229.6766, 0.2693,
0.3096

9.5644, 0.1965,
0.2689

36.6968, 0.2351,
0.2918

5.1111, 0.1741,
0.2541

51.6131, 0.2429,
0.2960

2.3126, 0.1421,
0.2307

70.1062, 0.2493,
0.2994

0.7804, 0.0683,
0.1949

92.5604, 0.2546,
0.3022

0.0000, 0.0000,
0.0000

119.3602, 0.2592,
0.3045

150.8899, 0.2630,

0.3065

187.5339, 0.2664,
0.3081

■ 16.0568, 0.2129,
0.2790

■ 16.0568, 0.2129,
0.2790

■ 15.3616, 0.2092,
0.2730

■ 16.8528, 0.2180,
0.2852

■ 17.7638, 0.2249,
0.2913

■ 18.8031, 0.2336,
0.2975

■ 19.9812, 0.2440,
0.3034

■ 21.3078, 0.2559,
0.3092

■ 22.7913, 0.2689,
0.3147

■ 24.4397, 0.2829,
0.3198

■ 26.2603, 0.2974,
0.3245

■ 28.2599, 0.3123,
0.3289

Harmonies

Analogous

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



16.0568, 0.2287, 0.3285



16.0568, 0.2129, 0.2790



16.0568, 0.2204, 0.2492

Triad

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



16.0568, 0.2129, 0.2790



16.0568, 0.3555, 0.2809



16.0568, 0.3721, 0.4283

Complementary

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



16.0568, 0.2129, 0.2790



7.3824, 0.5917, 0.3516

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.



16.0568, 0.4114, 0.4034



16.0568, 0.2129, 0.2790



16.0568, 0.4032, 0.3200

Square

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



16.0568, 0.2129, 0.2790



16.0568, 0.2985, 0.2530



16.0568, 0.4239, 0.3635



16.0568, 0.3188, 0.4236

Rectangle

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



16.0568, 0.2129, 0.2790



16.0568, 0.2380, 0.2416



16.0568, 0.4239, 0.3635



16.0568, 0.3874, 0.4226

Sweetspot

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



16.0574, 0.2129, 0.2790



41.5832, 0.2726, 0.3161



20.4725, 0.2939, 0.5663



9.0618, 0.2685, 0.3145



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.



16.0574, 0.2129, 0.2790



27.2828, 0.2088, 0.2718



5.1391, 0.1726, 0.1306



5.9573, 0.2990, 0.3250



13.2094, 0.2093, 0.2734



0.1536, 0.2174, 0.3027

Inverse Universe

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



7.7422, 0.3638, 0.1835



13.1651, 0.3711, 0.1818



15.4318, 0.4780, 0.4485



5.4950, 0.3162, 0.3111



6.3198, 0.3696, 0.1810



0.0632, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 16.0568, 0.2129, 0.2790 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 16.0568, 0.2129, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

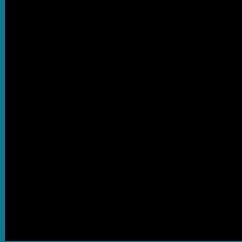
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0568, 0.2129, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 16.0568, 0.2129, 0.2790.

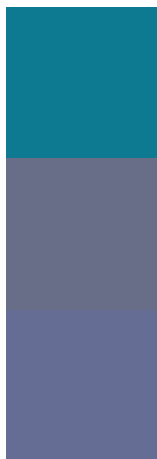


This preview shows how white text looks on a background with the Yxy color 16.0568, 0.2129, 0.2790.

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

16.0568, 0.2129, 0.2790

Protanopia

15.9327, 0.2765, 0.2780

Deuteranopia

15.9002, 0.2610, 0.2547



Tritanopia

16.1088, 0.2190, 0.3083

Trichromacy



Original Color

16.0568, 0.2129, 0.2790

Protanomaly

15.2764, 0.2414, 0.2763

Deuteranomaly

15.4433, 0.2336, 0.2613

Tritanomaly

16.0043, 0.2167, 0.2974

Monochromacy



Original Color

16.0568, 0.2129, 0.2790

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.9382, 0.2548, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0568, 0.2129, 0.2790 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(14, 122, 145)` looks like.

```
.text, #text, p{  
  color:rgb(14, 122, 145)  
}
```

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(14, 122, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 122, 145) }
```

Border

The CSS property to change the border of an element to Yxy 16.0568, 0.2129, 0.2790 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(14, 122, 145) }
```

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

```
.border{ border-color:rgb(14, 122, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 122, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 122, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 122, 145);  
box-shadow:4px 4px 4px 4px rgb(14, 122,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0568, 0.2129, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 122, 145) }
```

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

```
.background{ background-color: rgb(14, 122,  
145) }
```

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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