

Converting Colors

$Yxy(16.1011, 0.2093, 0.2736)$

Have a look what the booklet for
Yxy(16.1011, 0.2093, 0.2736)
contains.

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Color

$\text{Yxy}(16.0572, 0.2092, 0.2729)$

Conversions

Conversions Part 1

Format	Color
Hex	007A94
RGB	0, 122, 148
RGB Percent	0%, 48%, 58%
CMY	0.9984, 0.5216, 0.4196
CMYK	1.00, 0.18, 0.00, 0.42
HSL	191°, 99%, 29%
HSV	191°, 100%, 58%
XYZ	12.3091, 16.0572, 30.4728
YIQ	88.4860, -81.0580, -17.7780

Conversions

Conversions Part 2

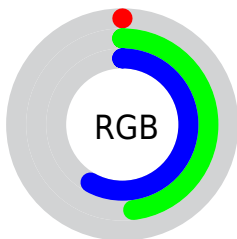
Format	Color
RYB	0, 67, 148
Decimal	31380
CIELab	47.05, -18.80, -22.12
CIELCh	47, 29.024, 229.639
Yxy	16.0572, 0.2092, 0.2729
Android (android.graphics.Color)	4278221460 (0xFF007A94)
YUV	88.4860, 29.3404, -77.6022
Hunter-Lab	40.0714, -15.2934, -17.0378

Details

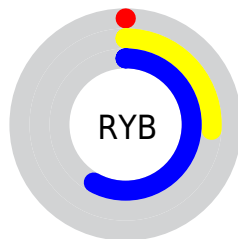
The Yxy color **16.0572, 0.2092, 0.2729** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.0557, 0.6186, 0.3465**, and the grayscale version is **9.8452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8555, 0.2323, 0.2879**, and **5.6282, 0.2034, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **16.0378, 0.2091, 0.2727**, and if you desaturate by 10%, it is **16.8078, 0.2130, 0.2791**.

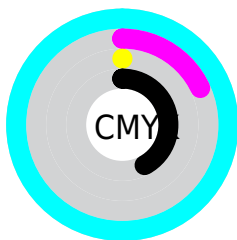
Distribution



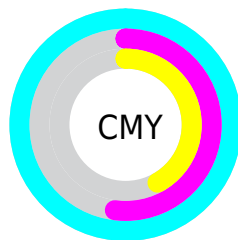
- Red (0%)
- Green (48%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (52%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0572, 0.2092, 0.2729 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 16.0572, 0.2092, 0.2729 by changing the saturation by 10% instead.


 16.0572, 0.2092,
0.2729


 16.0572, 0.2092,
0.2729


 229.6790, 0.2675,
0.3070


 9.5646, 0.1924,
0.2618


 36.6975, 0.2321,
0.2870


 5.1113, 0.1695,
0.2456

 51.6140, 0.2401,
0.2918


 2.3127, 0.1371,
0.2206

 70.1073, 0.2468,
0.2956

 0.7804, 0.0660,
0.1821

 92.5617, 0.2523,
0.2987

 0.0000, 0.0000,
0.0000

 119.3617, 0.2570,
0.3013

 150.8917, 0.2610,

0.3035

187.5360, 0.2645,
0.3053

■ 16.0572, 0.2092,
0.2729

■ 16.0572, 0.2092,
0.2729

■ 16.0378, 0.2091,
0.2727

■ 16.8078, 0.2130,
0.2791

■ 17.6474, 0.2182,
0.2853

■ 18.6090, 0.2252,
0.2915

■ 19.7057, 0.2340,
0.2976

■ 20.9489, 0.2445,
0.3036

■ 22.3484, 0.2565,
0.3094

■ 23.9132, 0.2696,
0.3149

■ 25.6516, 0.2836,
0.3200

■ 27.5713, 0.2982,
0.3248

Harmonies

Analogous

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



16.0572, 0.2230, 0.3225



16.0572, 0.2092, 0.2729



16.0572, 0.2193, 0.2446

Triad

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



16.0572, 0.2092, 0.2729



16.0572, 0.3627, 0.2828



16.0572, 0.3690, 0.4332

Complementary

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



16.0572, 0.2092, 0.2729



7.0557, 0.6186, 0.3465

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.



16.0572, 0.4119, 0.4094



16.0572, 0.2092, 0.2729



16.0572, 0.4103, 0.3238

Square

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



16.0572, 0.2092, 0.2729



16.0572, 0.3036, 0.2526



16.0572, 0.4283, 0.3687



16.0572, 0.3132, 0.4250

Rectangle

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



16.0572, 0.2092, 0.2729



16.0572, 0.2388, 0.2383



16.0572, 0.4283, 0.3687



16.0572, 0.3855, 0.4281

Sweetspot

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



16.0578, 0.2092, 0.2729



41.9334, 0.2684, 0.3144



21.2568, 0.2953, 0.5826



9.3254, 0.2633, 0.3123



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.0578, 0.2092, 0.2729



28.0676, 0.2088, 0.2715



4.3887, 0.1644, 0.1114



6.3901, 0.2990, 0.3250



13.7315, 0.2092, 0.2731



0.2047, 0.2174, 0.3027

Inverse Universe

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



7.7107, 0.3701, 0.1814



13.5614, 0.3714, 0.1819



15.1856, 0.4913, 0.4478



5.8918, 0.3162, 0.3110



6.5796, 0.3699, 0.1811



0.0842, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 16.0572, 0.2092, 0.2729 looks on a white background.

Color Contrast Check

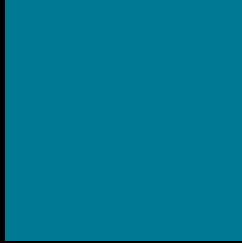
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0572, 0.2092, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

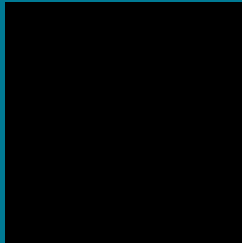
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.0572, 0.2092, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 16.0572, 0.2092, 0.2729.

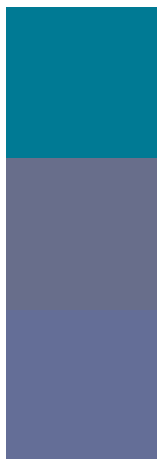


This preview shows how white text looks on a background with the Yxy color 16.0572, 0.2092, 0.2729.

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

16.0572, 0.2092, 0.2729

Protanopia

15.9590, 0.2722, 0.2725

Deuteranopia

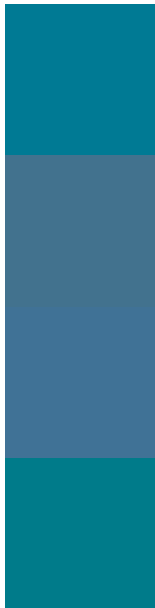
16.0956, 0.2564, 0.2514



Tritanopia

16.1088, 0.2190, 0.3083

Trichromacy



Original Color

16.0572, 0.2092, 0.2729

Protanomaly

15.1459, 0.2343, 0.2699

Deuteranomaly

15.3266, 0.2271, 0.2552

Tritanomaly

16.0009, 0.2154, 0.2953

Monochromacy



Original Color

16.0572, 0.2092, 0.2729

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.3030, 0.2481, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0572, 0.2092, 0.2729 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(0, 122, 148)` looks like.

```
.text, #text, p{  
  color:rgb(0, 122, 148)  
}
```

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(0, 122, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 148) }
```

Border

The CSS property to change the border of an element to Yxy 16.0572, 0.2092, 0.2729 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(0, 122, 148) }
```

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

```
.border{ border-color:rgb(0, 122, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0572, 0.2092, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 148) }
```

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

```
.background{ background-color: rgb(0, 122,  
148) }
```

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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