

Converting Colors

$Yxy(13.1731, 0.1906, 0.2499)$

Have a look what the booklet for
Yxy(13.1731, 0.1906, 0.2499)
contains.

Yxy(13.6949, 0.2032, 0.2517)	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(13.6949, 0.2032, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	007093
RGB	0, 112, 147
RGB Percent	0%, 44%, 58%
CMY	1.0000, 0.5607, 0.4236
CMYK	1.00, 0.24, 0.00, 0.42
HSL	194°, 100%, 29%
HSV	194°, 100%, 58%
XYZ	11.0560, 13.6949, 29.6587
YIQ	82.5020, -77.9870, -12.8590

Conversions

Conversions Part 2

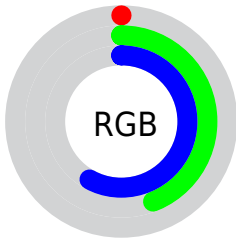
Format	Color
RYB	0, 64, 147
Decimal	28819
CIELab	43.79, -13.65, -26.56
CIELCh	44, 29.859, 242.797
Yxy	13.6949, 0.2032, 0.2517
Android (android.graphics.Color)	4278218899 (0xFF007093)
YUV	82.5020, 31.7975, -72.3543
Hunter-Lab	37.0066, -11.4332, -21.6129

Details

The Yxy color **13.6949, 0.2032, 0.2517** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.4022, 0.6074, 0.3559**, and the grayscale version is **8.4920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6528, 0.2285, 0.2716**, and **4.5113, 0.1954, 0.2235** is the 20% darker color. If you saturate the color by 10%, you get **13.6978, 0.2033, 0.2517**, and if you desaturate by 10%, it is **14.5838, 0.2079, 0.2603**.

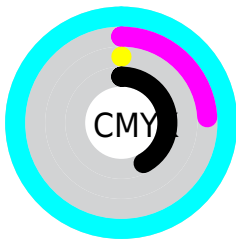
Distribution



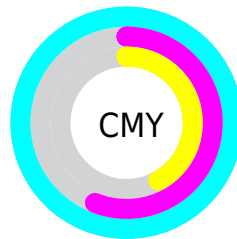
- Red (0%)
- Green (44%)
- Blue (58%)



- Red (0%)
- Yellow (25%)
- Blue (58%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (56%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6949, 0.2032, 0.2517 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 13.6949, 0.2032, 0.2517 by changing the saturation by 10% instead.

13.6949, 0.2032,
0.2517

13.6949, 0.2032,
0.2517

215.3244, 0.2660,
0.2983

7.9088, 0.1847,
0.2367

32.5467, 0.2281,
0.2710

4.0366, 0.1595,
0.2152

46.3811, 0.2368,
0.2775

1.6941, 0.1238,
0.1825

63.6671, 0.2439,
0.2827

0.4198, 0.0187,
0.1190

84.7891, 0.2498,
0.2869

0.0000, 0.0000,
0.0000

110.1314, 0.2548,
0.2905

140.0785, 0.2591,

0.2935

175.0147, 0.2627,
0.2961

■ 13.6949, 0.2032,
0.2517

■ 13.6949, 0.2032,
0.2517

■ 13.6978, 0.2033,
0.2517

■ 14.5838, 0.2079,
0.2603

■ 15.5691, 0.2138,
0.2689

■ 16.6875, 0.2217,
0.2775

■ 17.9523, 0.2313,
0.2860

■ 19.3748, 0.2425,
0.2943

■ 20.9648, 0.2551,
0.3022

■ 22.7314, 0.2687,
0.3097

■ 24.6830, 0.2830,
0.3167

■ 26.8272, 0.2978,
0.3231

Harmonies

Analogous

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



13.6949, 0.2065, 0.2954



13.6949, 0.2032, 0.2517



13.6949, 0.2248, 0.2325

Triad

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



13.6949, 0.2032, 0.2517



13.6949, 0.3925, 0.2973



13.6949, 0.3472, 0.4437

Complementary

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



13.6949, 0.2032, 0.2517



7.4022, 0.6074, 0.3559

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.



13.6949, 0.4019, 0.4301



13.6949, 0.2032, 0.2517



13.6949, 0.4318, 0.3438

Square

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



13.6949, 0.2032, 0.2517



13.6949, 0.3307, 0.2593



13.6949, 0.4343, 0.3914



13.6949, 0.2862, 0.4172

Rectangle

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



13.6949, 0.2032, 0.2517



13.6949, 0.2522, 0.2326



13.6949, 0.4343, 0.3914



13.6949, 0.3669, 0.4431

Sweetspot

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



13.6978, 0.2033, 0.2517



40.5121, 0.2678, 0.3093



20.9805, 0.2920, 0.5713



8.9643, 0.2625, 0.3064



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.



13.6978, 0.2033, 0.2517



24.2524, 0.2028, 0.2500



3.5701, 0.1598, 0.0951



6.3308, 0.2990, 0.3236



11.9168, 0.2034, 0.2522



0.1911, 0.2145, 0.2923

Inverse Universe

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



7.3720, 0.3905, 0.1925



13.1763, 0.3922, 0.1934



16.8827, 0.4747, 0.4613



5.8858, 0.3171, 0.3123



6.3964, 0.3901, 0.1922



0.0829, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 13.6949, 0.2032, 0.2517 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 13.6949, 0.2032, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

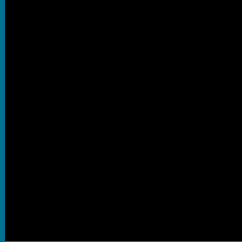
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6949, 0.2032, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 13.6949, 0.2032, 0.2517.

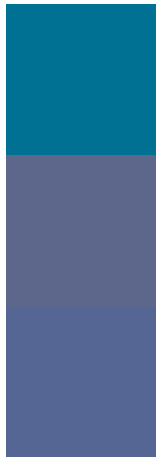


This preview shows how white text looks on a background with the Yxy color 13.6949, 0.2032, 0.2517.

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

13.6949, 0.2032, 0.2517

Protanopia

13.6940, 0.2581, 0.2538

Deuteranopia

13.6040, 0.2407, 0.2352



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.6949, 0.2032, 0.2517

Protanomaly

13.1909, 0.2253, 0.2510

Deuteranomaly

13.2305, 0.2178, 0.2397

Tritanomaly

13.7006, 0.2129, 0.2865

Monochromacy



Original Color

13.6949, 0.2032, 0.2517

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.8029, 0.2448, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6949, 0.2032, 0.2517 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, 112, 147)` looks like.

```
.text, #text, p{  
  color:rgb(0, 112, 147)  
}
```

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, 112, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 147) }
```

Border

The CSS property to change the border of an element to Yxy 13.6949, 0.2032, 0.2517 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, 112, 147) }
```

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

```
.border{ border-color:rgb(0, 112, 147) }
```

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

Here you see how a box with a 4 pixel rgb(0, 112, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6949, 0.2032, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 147) }
```

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

```
.background{ background-color: rgb(0, 112,  
147) }
```

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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