

Converting Colors

$Y_{xy}(29.1249, 0.2716, 0.3159)$

Have a look what the booklet for
Yxy(29.1249, 0.2716, 0.3159)
contains.

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Color

Yxy(29.0687, 0.2717, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	7499A1
RGB	116, 153, 161
RGB Percent	45%, 60%, 63%
CMY	0.5452, 0.4000, 0.3686
CMYK	0.28, 0.05, 0.00, 0.37
HSL	191°, 19%, 54%
HSV	191°, 28%, 63%
XYZ	25.0252, 29.0687, 38.0122
YIQ	142.8490, -24.6200, -5.3560

Conversions

Conversions Part 2

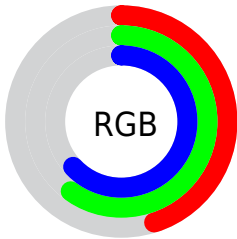
Format	Color
RYB	116, 136, 161
Decimal	7641505
CIELab	60.84, -10.75, -8.34
CIELCh	61, 13.605, 217.806
Yxy	29.0687, 0.2717, 0.3156
Android (android.graphics.Color)	4285831585 (0xFF7499A1)
YUV	142.8490, 8.9484, -23.5466
Hunter-Lab	53.9154, -11.4998, -4.0607

Details

The Yxy color **29.0687, 0.2717, 0.3156** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.2493, 0.3685, 0.3419**, and the grayscale version is **27.3753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0185, 0.2797, 0.3178**, and **11.7868, 0.2575, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **27.1353, 0.2583, 0.3101**, and if you desaturate by 10%, it is **31.2181, 0.2859, 0.3208**.

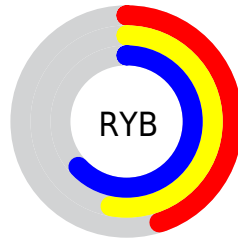
Distribution



Red (45%)

Green (60%)

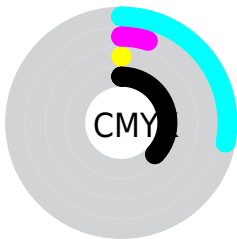
Blue (63%)



Red (45%)

Yellow (53%)

Blue (63%)

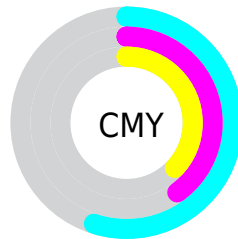


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (37%)



Cyan (55%)


Magenta (40%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0687, 0.2717, 0.3156 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 29.0687, 0.2717, 0.3156 by changing the saturation by 10% instead.

 29.0687, 0.2717,
0.3156


 29.0687, 0.2717,
0.3156


297.5390, 0.2936,
0.3231


 19.1328, 0.2658,
0.3134


 58.1862, 0.2800,
0.3186

 11.7663, 0.2579,
0.3104


 78.1366, 0.2830,
0.3196

 6.5847, 0.2468,
0.3059


 102.1940, 0.2855,
0.3204

 3.2038, 0.2301,
0.2988

130.7427, 0.2876,
0.3212

 1.2390, 0.2027,
0.2858

164.1672, 0.2894,
0.3218

 0.0932, 0.0000,
0.1199

202.8518, 0.2910,

 0.0000, 0.0000,

0.3223

0.0000

247.1809, 0.2923,
0.3227

■ 29.0687, 0.2717,
0.3156

■ 29.0687, 0.2717,
0.3156

■ 27.1353, 0.2583,
0.3101

■ 31.2181, 0.2859,
0.3208

■ 25.4044, 0.2461,
0.3043

■ 33.5893, 0.3007,
0.3255

■ 23.8663, 0.2353,
0.2982

■ 36.1922, 0.3158,
0.3299

■ 22.5089, 0.2262,
0.2920

■ 39.0351, 0.3309,
0.3338

■ 21.3186, 0.2189,
0.2857

■ 42.1256, 0.3459,
0.3373

■ 20.2797, 0.2134,
0.2794

■ 45.4713, 0.3605,
0.3404

■ 19.3646, 0.2096,
0.2731

■ 49.0792, 0.3747,
0.3431

■ 19.1844, 0.2089,
0.2718

■ 52.9561, 0.3883,
0.3455

■ 55.9744, 0.3962,
0.3479

Harmonies

Analogous

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



29.0687, 0.2821, 0.3362



29.0687, 0.2717, 0.3156



29.0687, 0.2718, 0.2997

Triad

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



29.0687, 0.2717, 0.3156



29.0687, 0.3238, 0.3045



29.0687, 0.3431, 0.3671

Complementary

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



29.0687, 0.2717, 0.3156



23.2493, 0.3685, 0.3419

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.



29.0687, 0.3552, 0.3569



29.0687, 0.2717, 0.3156



29.0687, 0.3439, 0.3210

Square

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



29.0687, 0.2717, 0.3156



29.0687, 0.3012, 0.2941



29.0687, 0.3556, 0.3399



29.0687, 0.3231, 0.3669

Rectangle

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



29.0687, 0.2717, 0.3156



29.0687, 0.2778, 0.2936



29.0687, 0.3556, 0.3399



29.0687, 0.3483, 0.3647

Sweetspot

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



29.0699, 0.2717, 0.3156



60.0677, 0.3004, 0.3254



30.6459, 0.3028, 0.3941



13.0348, 0.2983, 0.3248



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.0699, 0.2717, 0.3156



49.7037, 0.2627, 0.3120



22.5155, 0.2679, 0.2773



7.7962, 0.2988, 0.3249



15.3741, 0.2090, 0.2724



0.3758, 0.2153, 0.2950

Inverse Universe

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



22.3648, 0.3251, 0.2724



35.7555, 0.3287, 0.2587



29.3955, 0.3596, 0.3757



7.1805, 0.3163, 0.3107



7.3961, 0.3706, 0.1815



0.1607, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 29.0687, 0.2717, 0.3156 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 29.0687, 0.2717, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

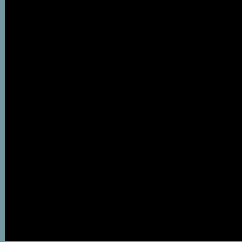
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

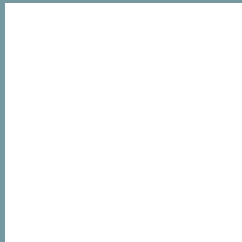
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0687, 0.2717, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 29.0687, 0.2717, 0.3156.

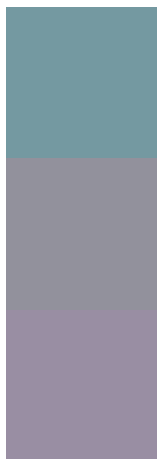


This preview shows how white text looks on a background with the Yxy color 29.0687, 0.2717, 0.3156.

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

29.0687, 0.2717, 0.3156

Protanopia

28.7621, 0.3032, 0.3117

Deuteranopia

28.7627, 0.3038, 0.2970



Tritanopia

28.9550, 0.2693, 0.3075

Trichromacy



Original Color

29.0687, 0.2717, 0.3156

Protanomaly

28.7993, 0.2906, 0.3129

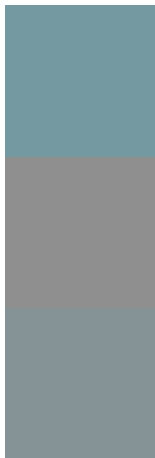
Deuteranomaly

28.7419, 0.2918, 0.3037

Tritanomaly

28.9187, 0.2701, 0.3091

Monochromacy



Original Color

29.0687, 0.2717, 0.3156

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0560, 0.2958, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0687, 0.2717, 0.3156 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(116, 153, 161)` looks like.

```
.text, #text, p{  
    color:rgb(116, 153, 161)  
}
```

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(116, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 153, 161) }
```

Border

The CSS property to change the border of an element to Yxy 29.0687, 0.2717, 0.3156 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(116, 153, 161) }
```

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

```
.border{ border-color:rgb(116, 153, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 153, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(116, 153,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0687, 0.2717, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 153, 161) }
```

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

```
.background{ background-color: rgb(116,  
153, 161) }
```

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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