

Converting Colors

$Y_{xy}(29.2319, 0.2553, 0.3096)$

Have a look what the booklet for
Yxy(29.2319, 0.2553, 0.3096)
contains.

Yxy(29.2763, 0.2557, 0.3103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2763, 0.2557, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	649CA7
RGB	100, 156, 167
RGB Percent	39%, 61%, 65%
CMY	0.6076, 0.3883, 0.3450
CMYK	0.40, 0.07, 0.00, 0.35
HSL	190°, 28%, 52%
HSV	190°, 40%, 65%
XYZ	24.1249, 29.2763, 40.9472
YIQ	140.5100, -36.9070, -8.4510

Conversions

Conversions Part 2

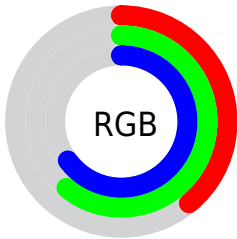
Format	Color
R_{YB}	100, 131, 167
Decimal	6593703
CIE _{Lab}	61.02, -15.43, -11.56
CIE _{LCh}	61, 19.277, 216.847
Yxy	29.2763, 0.2557, 0.3103
Android (android.graphics.Color)	4284783783 (0xFF649CA7)
YUV	140.5100, 13.0596, -35.5273
Hunter-Lab	54.1076, -15.1007, -6.9938

Details

The Yxy color **29.2763, 0.2557, 0.3103** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5262, 0.4041, 0.3465**, and the grayscale version is **26.3988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7325, 0.2673, 0.3152**, and **11.9453, 0.2371, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **27.5074, 0.2439, 0.3049**, and if you desaturate by 10%, it is **31.2636, 0.2688, 0.3155**.

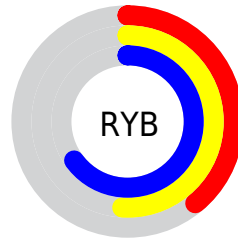
Distribution



Red (39%)

Green (61%)

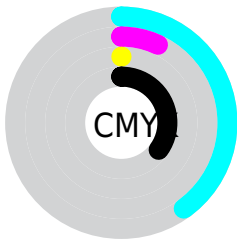
Blue (65%)



Red (39%)

Yellow (51%)

Blue (65%)

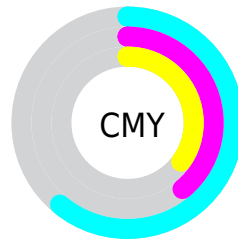


Cyan (40%)

Magenta (7%)

Yellow (0%)

Black (35%)



Cyan (61%)

Magenta (39%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2763, 0.2557, 0.3103 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 29.2763, 0.2557, 0.3103 by changing the saturation by 10% instead.

■ 29.2763, 0.2557,
0.3103

■ 29.2763, 0.2557,
0.3103

■ 298.5164, 0.2858,
0.3209

■ 19.2899, 0.2476,
0.3072

■ 58.5158, 0.2670,
0.3145

■ 11.8800, 0.2370,
0.3028

■ 78.5377, 0.2712,
0.3160

■ 6.6620, 0.2222,
0.2964

■ 102.6736, 0.2746,
0.3172

■ 3.2516, 0.2005,
0.2862

■ 131.3078, 0.2776,
0.3182

■ 1.2645, 0.1658,
0.2676

■ 164.8248, 0.2801,
0.3190

■ 0.1134, 0.0000,
0.1085

■ 203.6090, 0.2823,

■ 0.0000, 0.0000,

0.3198

0.0000

248.0447, 0.2842,
0.3204

■ 29.2763, 0.2557,
0.3103

■ 29.2763, 0.2557,
0.3103

■ 27.5074, 0.2439,
0.3049

■ 31.2636, 0.2688,
0.3155

■ 25.9414, 0.2336,
0.2992

■ 33.4772, 0.2828,
0.3203

■ 24.5660, 0.2250,
0.2934


■ 35.9283, 0.2975,
0.3248

■ 23.3658, 0.2183,
0.2876

■ 38.6266, 0.3126,
0.3290

■ 22.3230, 0.2134,
0.2818


■ 41.5813, 0.3278,
0.3327

 21.4051, 0.2100,
0.2761

 44.8008, 0.3429,
0.3360

 48.2934, 0.3577,
0.3390

 52.0668, 0.3721,
0.3416

 56.1285, 0.3860,
0.3439

Harmonies

Analogous

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



29.2763, 0.2704, 0.3399



29.2763, 0.2557, 0.3103



29.2763, 0.2554, 0.2880

Triad

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



29.2763, 0.2557, 0.3103



29.2763, 0.3270, 0.2944



29.2763, 0.3562, 0.3826

Complementary

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



29.2763, 0.2557, 0.3103



20.5262, 0.4041, 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.



29.2763, 0.3732, 0.3669



29.2763, 0.2557, 0.3103



29.2763, 0.3561, 0.3167

Square

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



29.2763, 0.2557, 0.3103



29.2763, 0.2953, 0.2803



29.2763, 0.3733, 0.3427



29.2763, 0.3279, 0.3837

Rectangle

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



29.2763, 0.2557, 0.3103



29.2763, 0.2633, 0.2797



29.2763, 0.3733, 0.3427



29.2763, 0.3634, 0.3787

Sweetspot

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



29.2774, 0.2557, 0.3103



63.3601, 0.2943, 0.3239



31.4850, 0.2997, 0.4308



14.0545, 0.2925, 0.3234



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.2774, 0.2557, 0.3103



49.6194, 0.2453, 0.3055



19.7922, 0.2468, 0.2520



8.3186, 0.2987, 0.3252



16.4361, 0.2102, 0.2766



0.4541, 0.2155, 0.2957

Inverse Universe

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



19.7430, 0.3308, 0.2465



30.6113, 0.3359, 0.2295



28.9590, 0.3841, 0.3951



7.6451, 0.3161, 0.3103



7.7303, 0.3666, 0.1793



0.1936, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 29.2763, 0.2557, 0.3103 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 29.2763, 0.2557, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

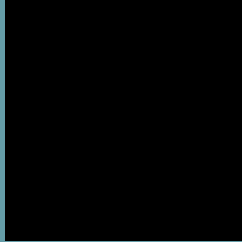
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

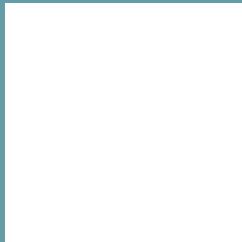
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2763, 0.2557, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 29.2763, 0.2557, 0.3103.

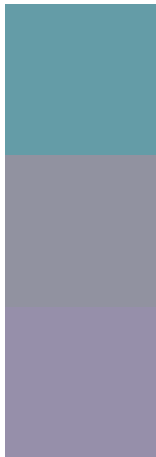


This preview shows how white text looks on a background with the Yxy color 29.2763, 0.2557, 0.3103.

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

29.2763, 0.2557, 0.3103

Protanopia

29.1156, 0.2985, 0.3071

Deuteranopia

29.0312, 0.2943, 0.2881



Tritanopia

29.3134, 0.2550, 0.3087

Trichromacy



Original Color

29.2763, 0.2557, 0.3103

Protanomaly

29.1242, 0.2810, 0.3080

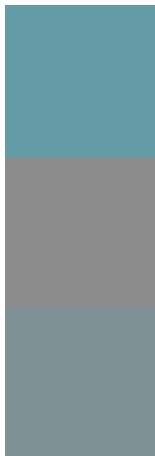
Deuteranomaly

28.9499, 0.2785, 0.2957

Tritanomaly

29.3134, 0.2550, 0.3087

Monochromacy



Original Color

29.2763, 0.2557, 0.3103

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.1954, 0.2890, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2763, 0.2557, 0.3103 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(100, 156, 167)` looks like.

```
.text, #text, p{  
    color:rgb(100, 156, 167)  
}
```

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(100, 156, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 156, 167) }
```

Border

The CSS property to change the border of an element to Yxy 29.2763, 0.2557, 0.3103 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(100, 156, 167) }
```

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

```
.border{ border-color:rgb(100, 156, 167) }
```

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

Here you see how a box with a 4 pixel rgb(100, 156, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 156, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 156, 167);  
box-shadow:4px 4px 4px 4px rgb(100, 156,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2763, 0.2557, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 156, 167) }
```

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

```
.background{ background-color: rgb(100,  
156, 167) }
```

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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