

Converting Colors

$Y_{xy}(20.6485, 0.2527, 0.2906)$

Have a look what the booklet for
Yxy(20.6485, 0.2527, 0.2906)
contains.

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Color

$Y_{xy}(20.6406, 0.2528, 0.2912)$

Conversions

Conversions Part 1

Format	Color
Hex	5A8397
RGB	90, 131, 151
RGB Percent	35%, 51%, 59%
CMY	0.6471, 0.4863, 0.4078
CMYK	0.40, 0.13, 0.00, 0.41
HSL	200°, 25%, 47%
HSV	200°, 40%, 59%
XYZ	17.9188, 20.6406, 32.3218
YIQ	121.0210, -30.8560, -2.4720

Conversions

Conversions Part 2

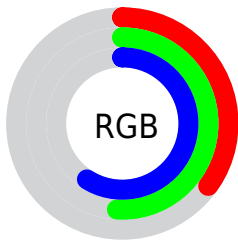
Format	Color
R _Y B	90, 115, 151
Decimal	5931927
CIE Lab	52.55, -8.79, -15.22
CIE LCh	53, 17.577, 239.987
Yxy	20.6406, 0.2528, 0.2912
Android (android.graphics.Color)	4284122007 (0xFF5A8397)
YUV	121.0210, 14.7796, -27.2054
Hunter-Lab	45.4319, -9.1039, -10.3786

Details

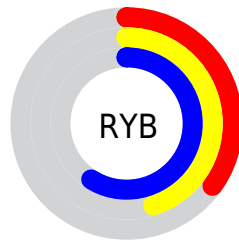
The Yxy color $20.6406, 0.2528, 0.2912$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $18.4710, 0.3971, 0.3634$, and the grayscale version is $19.0866, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5284, 0.2663, 0.3003$, and $7.3860, 0.2305, 0.2766$ is the 20% darker color. If you saturate the color by 10%, you get $18.6609, 0.2393, 0.2800$, and if you desaturate by 10%, it is $22.8393, 0.2672, 0.3018$.

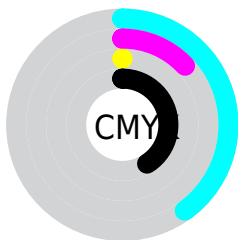
Distribution



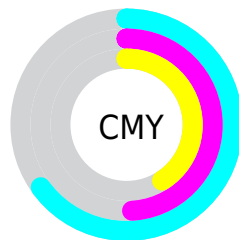
- Red (35%)
- Green (51%)
- Blue (59%)



- Red (35%)
- Yellow (45%)
- Blue (59%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (65%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6406, 0.2528, 0.2912 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 20.6406, 0.2528, 0.2912 by changing the saturation by 10% instead.

■ 20.6406, 0.2528,
0.2912

■ 20.6406, 0.2528,
0.2912

■ 255.3623, 0.2861,
0.3130

■ 12.8615, 0.2432,
0.2846

■ 44.4886, 0.2658,
0.2999

■ 7.3333, 0.2300,
0.2753

■ 61.3264, 0.2704,
0.3029

■ 3.6714, 0.2109,
0.2612

■ 81.9525, 0.2742,
0.3054

■ 1.4915, 0.1810,
0.2379

■ 106.7514, 0.2774,
0.3074

■ 0.2827, 0.0306,
0.1598

■ 136.1074, 0.2801,
0.3091

■ 0.0000, 0.0000,
0.0000

170.4049, 0.2824,

0.3106

210.0284, 0.2844,
0.3119

■ 20.6406, 0.2528,
0.2912

■ 20.6406, 0.2528,
0.2912

■ 18.6609, 0.2393,
0.2800

■ 22.8393, 0.2672,
0.3018

■ 16.8877, 0.2269,
0.2682

■ 25.2641, 0.2820,
0.3116

■ 15.3103, 0.2161,
0.2561

■ 27.9245, 0.2971,
0.3205

■ 13.9160, 0.2070,
0.2438

■ 30.8289, 0.3121,
0.3287

■ 12.6902, 0.1999,
0.2316

■ 33.9850, 0.3268,
0.3360

■ 11.6377, 0.1944,
0.2199

■ 37.4003, 0.3411,
0.3425

■ 41.0818, 0.3548,
0.3483

■ 45.0363, 0.3679,
0.3534

■ 49.2703, 0.3804,
0.3579

Harmonies

Analogous

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



20.6406, 0.2566, 0.3163



20.6406, 0.2528, 0.2912



20.6406, 0.2639, 0.2777

Triad

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



20.6406, 0.2528, 0.2912



20.6406, 0.3511, 0.3106



20.6406, 0.3354, 0.3864

Complementary

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



20.6406, 0.2528, 0.2912



18.4710, 0.3971, 0.3634

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.



20.6406, 0.3625, 0.3814



20.6406, 0.2528, 0.2912



20.6406, 0.3722, 0.3368

Square

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



20.6406, 0.2528, 0.2912



20.6406, 0.3198, 0.2894



20.6406, 0.3763, 0.3626



20.6406, 0.3032, 0.3739

Rectangle

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



20.6406, 0.2528, 0.2912



20.6406, 0.2788, 0.2761



20.6406, 0.3763, 0.3626



20.6406, 0.3455, 0.3866

Sweetspot

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



20.6414, 0.2528, 0.2912



49.0950, 0.2943, 0.3190



25.4210, 0.2913, 0.4100



11.0291, 0.2926, 0.3179



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.6414, 0.2528, 0.2912



33.9030, 0.2412, 0.2816



13.7508, 0.2437, 0.2315



6.6849, 0.2989, 0.3215



9.9524, 0.1946, 0.2207



0.2144, 0.2094, 0.2737

Inverse Universe

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



15.5307, 0.3452, 0.2613



24.0384, 0.3547, 0.2475



26.0233, 0.3778, 0.4103



6.2892, 0.3184, 0.3142



6.4100, 0.4225, 0.2101



0.1025, 0.3694, 0.1808

Previews

White Background



This preview shows how the Yxy color 20.6406, 0.2528, 0.2912 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 20.6406, 0.2528, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

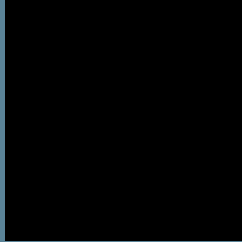
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6406, 0.2528, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 20.6406, 0.2528, 0.2912.



This preview shows how white text looks on a background with the Yxy color 20.6406, 0.2528, 0.2912.

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

20.6406, 0.2528, 0.2912

Protanopia

20.5556, 0.2859, 0.2898

Deuteranopia

20.4299, 0.2810, 0.2750



Tritanopia

20.5604, 0.2578, 0.3076

Trichromacy



Original Color

20.6406, 0.2528, 0.2912

Protanomaly

20.6319, 0.2728, 0.2907

Deuteranomaly

20.3137, 0.2699, 0.2803

Tritanomaly

20.7017, 0.2562, 0.3021

Monochromacy



Original Color

20.6406, 0.2528, 0.2912

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.6482, 0.2880, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6406, 0.2528, 0.2912 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(90, 131, 151)` looks like.

```
.text, #text, p{  
  color:rgb(90, 131, 151)  
}
```

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(90, 131, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 131, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.6406, 0.2528, 0.2912 is called "border". The border property can be set on classes, ids or directly on the HTML element.

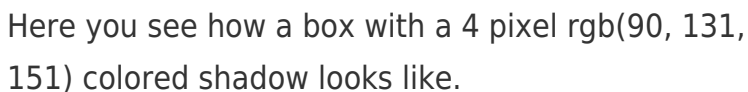
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 131, 151) }
```

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

```
.border{ border-color:rgb(90, 131, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 131, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 131, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 131, 151);  
box-shadow:4px 4px 4px 4px rgb(90, 131,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6406, 0.2528, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 131, 151) }
```

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

```
.background{ background-color: rgb(90, 131,  
151) }
```

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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