

Converting Colors

$Y_{xy}(19.9654, 0.2527, 0.2948)$

Have a look what the booklet for
Yxy(19.9654, 0.2527, 0.2948)
contains.

Yxy(20.0981, 0.2532, 0.2962)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.0981, 0.2532, 0.2962)$

Conversions

Conversions Part 1

Format	Color
Hex	578293
RGB	87, 130, 147
RGB Percent	34%, 51%, 58%
CMY	0.6587, 0.4902, 0.4236
CMYK	0.41, 0.12, 0.00, 0.42
HSL	197°, 26%, 46%
HSV	197°, 41%, 58%
XYZ	17.1804, 20.0981, 30.5746
YIQ	119.0810, -31.0850, -3.8290

Conversions

Conversions Part 2

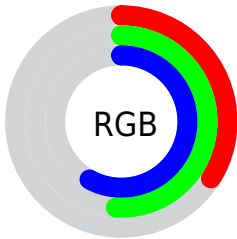
Format	Color
RYB	87, 112, 147
Decimal	5735059
CIELab	51.95, -10.17, -13.82
CIElCh	52, 17.157, 233.635
Yxy	20.0981, 0.2532, 0.2962
Android (android.graphics.Color)	4283925139 (0xFF578293)
YUV	119.0810, 13.7641, -28.1350
Hunter-Lab	44.8309, -10.0481, -9.0541

Details

The Yxy color **20.0981, 0.2532, 0.2962** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7946, 0.3999, 0.3590**, and the grayscale version is **18.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5730, 0.2659, 0.3039**, and **7.1045, 0.2311, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **18.3760, 0.2402, 0.2866**, and if you desaturate by 10%, it is **22.0107, 0.2671, 0.3053**.

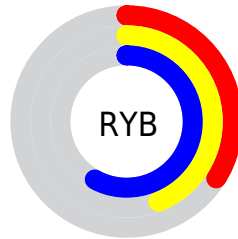
Distribution



Red (34%)

Green (51%)

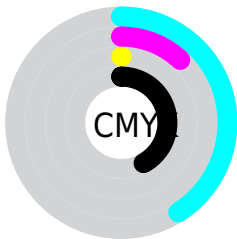
Blue (58%)



Red (34%)

Yellow (44%)

Blue (58%)

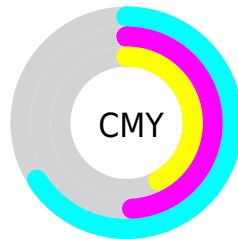


Cyan (41%)

Magenta (12%)

Yellow (0%)

Black (42%)



Cyan (66%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0981, 0.2532, 0.2962 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 20.0981, 0.2532, 0.2962 by changing the saturation by 10% instead.

■ 20.0981, 0.2532,
0.2962

■ 20.0981, 0.2532,
0.2962

■ 252.4457, 0.2864,
0.3153

■ 12.4664, 0.2436,
0.2903

■ 43.5816, 0.2662,
0.3039

■ 7.0621, 0.2302,
0.2819

■ 60.2022, 0.2708,
0.3066

■ 3.5010, 0.2108,
0.2689

■ 80.5878, 0.2746,
0.3087

■ 1.3985, 0.1802,
0.2470

■ 105.1229, 0.2777,
0.3105

■ 0.2156, 0.0000,
0.1502

■ 134.1918, 0.2804,
0.3120

■ 0.0000, 0.0000,
0.0000

168.1790, 0.2827,

0.3133

207.4688, 0.2847,
0.3143

■ 20.0981, 0.2532,
0.2962

■ 20.0981, 0.2532,
0.2962

■ 18.3760, 0.2402,
0.2866

■ 22.0107, 0.2671,
0.3053

■ 16.8327, 0.2285,
0.2766

■ 24.1201, 0.2817,
0.3137

■ 15.4587, 0.2184,
0.2663

■ 26.4350, 0.2966,
0.3214

■ 14.2425, 0.2101,
0.2558

■ 28.9628, 0.3115,
0.3285

■ 13.1704, 0.2036,
0.2454

■ 31.7107, 0.3263,
0.3348

■ 12.2793, 0.1989,
0.2359

■ 34.6853, 0.3408,
0.3405

■ 37.8929, 0.3548,
0.3455

■ 41.3397, 0.3682,
0.3500

■ 45.0316, 0.3810,
0.3539

Harmonies

Analogous

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



20.0981, 0.2600, 0.3228



20.0981, 0.2532, 0.2962



20.0981, 0.2612, 0.2802

Triad

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



20.0981, 0.2532, 0.2962



20.0981, 0.3445, 0.3059



20.0981, 0.3415, 0.3858

Complementary

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



20.0981, 0.2532, 0.2962



16.7946, 0.3999, 0.3590

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.



20.0981, 0.3659, 0.3776



20.0981, 0.2532, 0.2962



20.0981, 0.3682, 0.3311

Square

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



20.0981, 0.2532, 0.2962



20.0981, 0.3128, 0.2866



20.0981, 0.3760, 0.3571



20.0981, 0.3101, 0.3772

Rectangle

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



20.0981, 0.2532, 0.2962



20.0981, 0.2741, 0.2767



20.0981, 0.3760, 0.3571



20.0981, 0.3508, 0.3848

Sweetspot

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



20.0989, 0.2532, 0.2962



46.7225, 0.2944, 0.3203



23.8925, 0.2929, 0.4149



10.5540, 0.2927, 0.3195



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.



20.0989, 0.2532, 0.2962



33.1442, 0.2412, 0.2874



13.2509, 0.2437, 0.2348



6.2873, 0.2990, 0.3226



10.6897, 0.1990, 0.2365



0.1810, 0.2123, 0.2842

Inverse Universe

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



14.6340, 0.3415, 0.2566



22.4634, 0.3503, 0.2411



23.9410, 0.3796, 0.4079



5.8814, 0.3178, 0.3133



6.2725, 0.4059, 0.2010



0.0818, 0.3596, 0.1755

Previews

White Background



This preview shows how the Yxy color 20.0981, 0.2532, 0.2962 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 20.0981, 0.2532, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

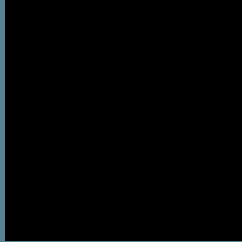
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0981, 0.2532, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 20.0981, 0.2532, 0.2962.



This preview shows how white text looks on a background with the Yxy color 20.0981, 0.2532, 0.2962.

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

20.0981, 0.2532, 0.2962

Protanopia

19.8651, 0.2887, 0.2928

Deuteranopia

20.0556, 0.2849, 0.2797



Tritanopia

20.1341, 0.2575, 0.3093

Trichromacy



Original Color

20.0981, 0.2532, 0.2962

Protanomaly

19.8690, 0.2742, 0.2936

Deuteranomaly

19.8684, 0.2723, 0.2850

Tritanomaly

20.1942, 0.2559, 0.3055

Monochromacy



Original Color

20.0981, 0.2532, 0.2962

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8767, 0.2876, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0981, 0.2532, 0.2962 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(87, 130, 147)` looks like.

```
.text, #text, p{  
    color:rgb(87, 130, 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(87, 130, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 130, 147) }
```

Border

The CSS property to change the border of an element to Yxy 20.0981, 0.2532, 0.2962 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(87, 130, 147) }
```

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

```
.border{ border-color:rgb(87, 130, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 130, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 130, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 130, 147);  
box-shadow:4px 4px 4px 4px rgb(87, 130,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0981, 0.2532, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 130, 147) }
```

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

```
.background{ background-color: rgb(87, 130,  
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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