

Converting Colors

$Y_{xy}(20.0013, 0.2773, 0.2888)$

Have a look what the booklet for
Yxy(20.0013, 0.2773, 0.2888)
contains.

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Color

Yxy(20.0013, 0.2773, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	717C92
RGB	113, 124, 146
RGB Percent	44%, 49%, 57%
CMY	0.5570, 0.5137, 0.4274
CMYK	0.23, 0.15, 0.00, 0.43
HSL	220°, 13%, 51%
HSV	220°, 23%, 57%
XYZ	19.2048, 20.0013, 30.0504
YIQ	123.2190, -13.6180, 4.5100

Conversions

Conversions Part 2

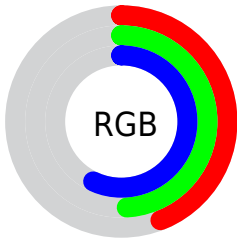
Format	Color
R_{YB}	113, 121, 146
Decimal	7437458
CIE Lab	51.84, 0.99, -13.25
CIE LCh	52, 13.289, 274.283
Yxy	20.0013, 0.2773, 0.2888
Android (android.graphics.Color)	4285627538 (0xFF717C92)
YUV	123.2190, 11.2310, -8.9621
Hunter-Lab	44.7228, -1.6135, -8.5325

Details

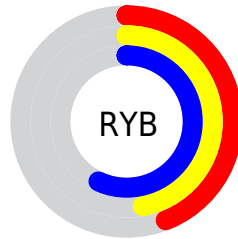
The Yxy color $20.0013, 0.2773, 0.2888$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $24.6299, 0.3494, 0.3662$, and the grayscale version is $19.8483, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.2201, 0.2850, 0.2971$, and $6.9484, 0.2630, 0.2729$ is the 20% darker color. If you saturate the color by 10%, you get $16.7911, 0.2603, 0.2678$, and if you desaturate by 10%, it is $23.6095, 0.2936, 0.3078$.

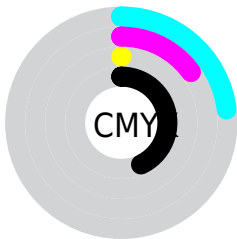
Distribution



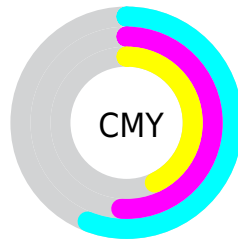
- Red (44%)
- Green (49%)
- Blue (57%)



- Red (44%)
- Yellow (47%)
- Blue (57%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (43%)



- Cyan (56%)
- Magenta (51%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0013, 0.2773, 0.2888 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 20.0013, 0.2773, 0.2888 by changing the saturation by 10% instead.

■ 20.0013, 0.2773,
0.2888

■ 20.0013, 0.2773,
0.2888

■ 251.9222, 0.2974,
0.3115

■ 12.3960, 0.2713,
0.2821

■ 43.4194, 0.2852,
0.2978

■ 7.0140, 0.2630,
0.2727

■ 60.0009, 0.2880,
0.3009

■ 3.4708, 0.2505,
0.2588

■ 80.3433, 0.2903,
0.3035

■ 1.3822, 0.2299,
0.2360

■ 104.8310, 0.2922,
0.3056

■ 0.2036, 0.1377,
0.1287

■ 133.8483, 0.2938,
0.3074

■ 0.0000, 0.0000,
0.0000

167.7797, 0.2951,

0.3090

207.0095, 0.2963,
0.3103

■ 20.0013, 0.2773,
0.2888

■ 20.0013, 0.2773,
0.2888

■ 16.7911, 0.2603,
0.2678

■ 23.6095, 0.2936,
0.3078

■ 13.9622, 0.2428,
0.2451

■ 27.6269, 0.3089,
0.3248

■ 11.4999, 0.2255,
0.2210

■ 32.0671, 0.3231,
0.3400

■ 9.3880, 0.2088,
0.1961

■ 36.9427, 0.3361,
0.3533

■ 7.6085, 0.1937,
0.1712

■ 42.2652, 0.3481,
0.3649

■ 6.1416, 0.1807,
0.1474

■ 48.0461, 0.3590,
0.3752

■ 4.9652, 0.1705,
0.1257

■ 54.2963, 0.3688,
0.3841

■ 4.2509, 0.1642,
0.1112

■ 61.0263, 0.3778,
0.3918

■ 68.2463, 0.3859,
0.3986

Harmonies

Analogous

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



20.0013, 0.2670, 0.2982



20.0013, 0.2773, 0.2888



20.0013, 0.2972, 0.2898

Triad

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



20.0013, 0.2773, 0.2888



20.0013, 0.3593, 0.3385



20.0013, 0.3022, 0.3605

Complementary

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



20.0013, 0.2773, 0.2888



24.6299, 0.3494, 0.3662

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.



20.0013, 0.3270, 0.3718



20.0013, 0.2773, 0.2888



20.0013, 0.3605, 0.3577

Square

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



20.0013, 0.2773, 0.2888



20.0013, 0.3450, 0.3178



20.0013, 0.3485, 0.3704



20.0013, 0.2809, 0.3397

Rectangle

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



20.0013, 0.2773, 0.2888



20.0013, 0.3135, 0.2959



20.0013, 0.3485, 0.3704



20.0013, 0.3104, 0.3656

Sweetspot

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



20.0021, 0.2773, 0.2888



45.4342, 0.3021, 0.3174



25.8071, 0.2903, 0.3497



10.0295, 0.3014, 0.3166



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.0021, 0.2773, 0.2888



32.4052, 0.2690, 0.2787



17.7280, 0.2814, 0.2689



5.9305, 0.2989, 0.3139



3.7774, 0.1645, 0.1121



0.0963, 0.1873, 0.1942

Inverse Universe

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



19.3734, 0.3426, 0.3102



31.2445, 0.3511, 0.3059



27.4240, 0.3402, 0.3846



5.8454, 0.3233, 0.3216



5.5747, 0.5579, 0.2847



0.0733, 0.4519, 0.2263

Previews

White Background



This preview shows how the Yxy color 20.0013, 0.2773, 0.2888 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 20.0013, 0.2773, 0.2888 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

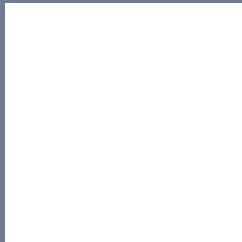
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0013, 0.2773, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 20.0013, 0.2773, 0.2888.

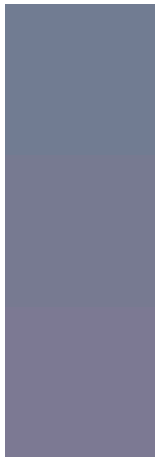


This preview shows how white text looks on a background with the Yxy color 20.0013, 0.2773, 0.2888.

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

20.0013, 0.2773, 0.2888

Protanopia

19.8853, 0.2846, 0.2876

Deuteranopia

20.0664, 0.2880, 0.2831



Tritanopia

20.0788, 0.2852, 0.3102

Trichromacy



Original Color

20.0013, 0.2773, 0.2888

Protanomaly

19.9922, 0.2825, 0.2892

Deuteranomaly

20.0187, 0.2837, 0.2843

Tritanomaly

20.0054, 0.2822, 0.3011

Monochromacy



Original Color

20.0013, 0.2773, 0.2888

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7265, 0.2991, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0013, 0.2773, 0.2888 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(113, 124, 146)` looks like.

```
.text, #text, p{  
    color:rgb(113, 124, 146)  
}
```

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(113, 124, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 124, 146) }
```

Border

The CSS property to change the border of an element to Yxy 20.0013, 0.2773, 0.2888 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(113, 124, 146) }
```

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

```
.border{ border-color:rgb(113, 124, 146) }
```

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

Here you see how a box with a 4 pixel rgb(113, 124, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 124, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 124, 146);  
box-shadow:4px 4px 4px 4px rgb(113, 124,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0013, 0.2773, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 124, 146) }
```

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

```
.background{ background-color: rgb(113,  
124, 146) }
```

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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