

Converting Colors

$Yxy(20.5776, 0.2091, 0.2727)$

Have a look what the booklet for
Yxy(20.5776, 0.2091, 0.2727)
contains.

Yxy(20.6445, 0.2091, 0.2727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.6445, 0.2091, 0.2727)$

Conversions

Conversions Part 1

Format	Color
Hex	0089A6
RGB	0, 137, 166
RGB Percent	0%, 54%, 65%
CMY	0.9996, 0.4627, 0.3490
CMYK	1.00, 0.17, 0.00, 0.35
HSL	190°, 100%, 33%
HSV	190°, 100%, 65%
XYZ	15.8297, 20.6445, 39.2298
YIQ	99.3430, -90.9610, -20.0250

Conversions

Conversions Part 2

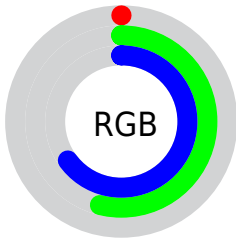
Format	Color
RYB	0, 75, 166
Decimal	35238
CIELab	52.56, -20.42, -24.11
CIELCh	53, 31.593, 229.744
Yxy	20.6445, 0.2091, 0.2727
Android (android.graphics.Color)	4278225318 (0xFF0089A6)
YUV	99.3430, 32.8619, -87.1238
Hunter-Lab	45.4362, -17.3250, -19.3859

Details

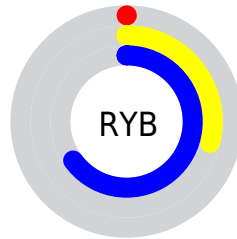
The Yxy color **20.6445, 0.2091, 0.2727** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **8.9920, 0.6208, 0.3452**, and the grayscale version is **12.5092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6557, 0.2306, 0.2868**, and **8.0313, 0.2039, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **20.6396, 0.2091, 0.2727**, and if you desaturate by 10%, it is **21.5974, 0.2127, 0.2789**.

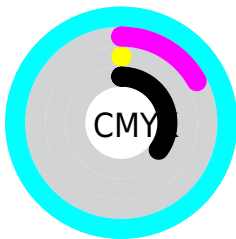
Distribution



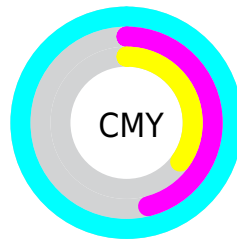
- Red (0%)
- Green (54%)
- Blue (65%)



- Red (0%)
- Yellow (29%)
- Blue (65%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (46%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6445, 0.2091, 0.2727 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 20.6445, 0.2091, 0.2727 by changing the saturation by 10% instead.


 20.6445, 0.2091,
0.2727


 20.6445, 0.2091,
0.2727


255.3831, 0.2653,
0.3057

 12.8644, 0.1938,
0.2626


 44.4951, 0.2305,
0.2860

 7.3352, 0.1736,
0.2484


 61.3344, 0.2383,
0.2906


 3.6726, 0.1459,
0.2274

 81.9623, 0.2447,
0.2943

 1.4922, 0.1071,
0.1941

 106.7630, 0.2501,
0.2974

 0.2832, 0.0000,
0.1054

 136.1211, 0.2548,
0.3000

 0.0000, 0.0000,
0.0000

 170.4209, 0.2588,

0.3022

210.0468, 0.2622,
0.3041

■ 20.6445, 0.2091,
0.2727

■ 20.6445, 0.2091,
0.2727

■ 20.6396, 0.2091,
0.2727

■ 21.5974, 0.2127,
0.2789

■ 22.6680, 0.2177,
0.2850

■ 23.8966, 0.2246,
0.2913

■ 25.3008, 0.2333,
0.2974

■ 26.8956, 0.2438,
0.3034

■ 28.6943, 0.2557,
0.3092

■ 30.7088, 0.2689,
0.3147

■ 32.9502, 0.2830,
0.3199

■ 35.4286, 0.2977,
0.3247

Harmonies

Analogous

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



20.6445, 0.2229, 0.3223



20.6445, 0.2091, 0.2727



20.6445, 0.2193, 0.2444

Triad

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



20.6445, 0.2091, 0.2727



20.6445, 0.3630, 0.2829



20.6445, 0.3688, 0.4333

Complementary

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



20.6445, 0.2091, 0.2727



8.9920, 0.6208, 0.3452

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.



20.6445, 0.4119, 0.4096



20.6445, 0.2091, 0.2727



20.6445, 0.4105, 0.3239

Square

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



20.6445, 0.2091, 0.2727



20.6445, 0.3038, 0.2526



20.6445, 0.4285, 0.3689



20.6445, 0.3129, 0.4250

Rectangle

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



20.6445, 0.2091, 0.2727



20.6445, 0.2389, 0.2382



20.6445, 0.4285, 0.3689



20.6445, 0.3854, 0.4283

Sweetspot

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



20.6452, 0.2091, 0.2727



55.4907, 0.2681, 0.3144



27.3583, 0.2956, 0.5841



12.0773, 0.2626, 0.3122



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.



20.6452, 0.2091, 0.2727



37.1779, 0.2088, 0.2716



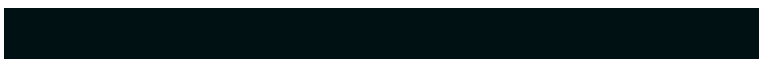
5.5249, 0.1637, 0.1094



8.3056, 0.2987, 0.3250



16.0640, 0.2092, 0.2732



0.4477, 0.2149, 0.2935

Inverse Universe

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



9.9161, 0.3703, 0.1814



17.9621, 0.3713, 0.1819



19.4126, 0.4925, 0.4471



7.6438, 0.3163, 0.3106



7.6927, 0.3698, 0.1811



0.1929, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 20.6445, 0.2091, 0.2727 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 20.6445, 0.2091, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

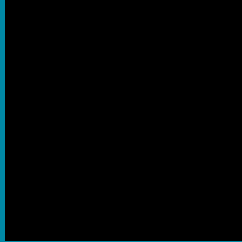
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6445, 0.2091, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 20.6445, 0.2091, 0.2727.

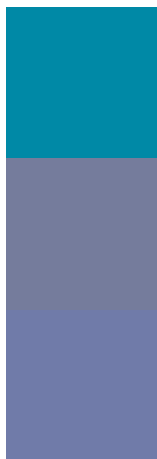


This preview shows how white text looks on a background with the Yxy color 20.6445, 0.2091, 0.2727.

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

20.6445, 0.2091, 0.2727

Protanopia

20.5975, 0.2722, 0.2729

Deuteranopia

20.4752, 0.2559, 0.2503



Tritanopia

20.6672, 0.2184, 0.3063

Trichromacy



Original Color

20.6445, 0.2091, 0.2727

Protanomaly

19.6944, 0.2335, 0.2702

Deuteranomaly

19.6051, 0.2261, 0.2549

Tritanomaly

20.5773, 0.2147, 0.2927

Monochromacy



Original Color

20.6445, 0.2091, 0.2727

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.2971, 0.2468, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6445, 0.2091, 0.2727 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(0, 137, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 166)  
}
```

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(0, 137, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 166) }
```

Border

The CSS property to change the border of an element to Yxy 20.6445, 0.2091, 0.2727 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(0, 137, 166) }
```

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

```
.border{ border-color:rgb(0, 137, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6445, 0.2091, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 166) }
```

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

```
.background{ background-color: rgb(0, 137,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor