

Converting Colors

$Y_{xy}(20.6506, 0.2253, 0.2989)$

Have a look what the booklet for
Yxy(20.6506, 0.2253, 0.2989)
contains.

Yxy(20.6506, 0.2253, 0.2989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(20.6506, 0.2253, 0.2989)$

Conversions

Conversions Part 1	
Format	Color
Hex	2A8998
RGB	42, 137, 152
RGB Percent	16%, 54%, 60%
CMY	0.8356, 0.4627, 0.4039
CMYK	0.72, 0.10, 0.00, 0.40
HSL	188°, 57%, 38%
HSV	188°, 72%, 60%
XYZ	15.5657, 20.6506, 32.8724
YIQ	110.3050, -61.4350, -15.4750

Conversions

Conversions Part 2

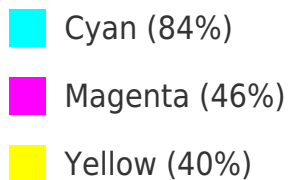
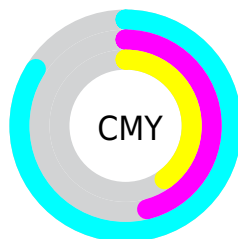
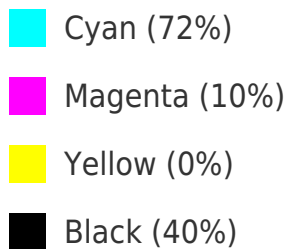
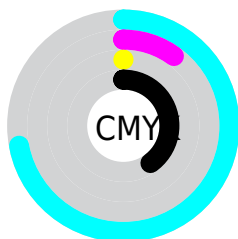
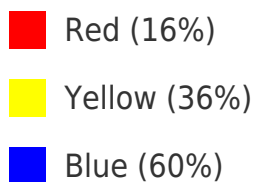
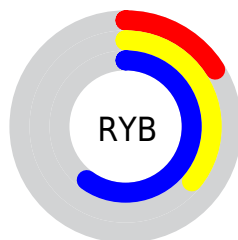
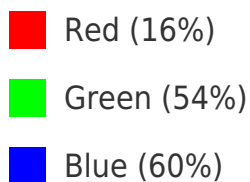
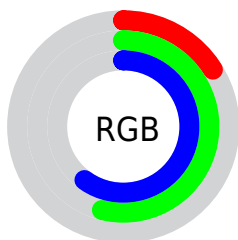
Format	Color
RYB	42, 93, 152
Decimal	2787736
CIELab	52.56, -21.98, -15.95
CIELCh	53, 27.162, 215.971
Yxy	20.6506, 0.2253, 0.2989
Android (android.graphics.Color)	4280977816 (0xFF2A8998)
YUV	110.3050, 20.5556, -59.9035
Hunter-Lab	45.4429, -18.3831, -11.0790

Details

The Yxy color **20.6506, 0.2253, 0.2989** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7607, 0.5319, 0.3502**, and the grayscale version is **15.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6609, 0.2442, 0.3074**, and **7.7560, 0.2131, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **19.8069, 0.2193, 0.2942**, and if you desaturate by 10%, it is **21.6287, 0.2331, 0.3036**.


Distribution





Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6506, 0.2253, 0.2989 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 20.6506, 0.2253, 0.2989 by changing the saturation by 10% instead.


 20.6506, 0.2253,
0.2989


 20.6506, 0.2253,
0.2989


 255.4158, 0.2733,
0.3172


 12.8688, 0.2118,
0.2929


 44.5053, 0.2438,
0.3065


 7.3383, 0.1936,
0.2842


 61.3470, 0.2505,
0.3091

 3.6746, 0.1680,
0.2705


 81.9776, 0.2560,
0.3111

 1.4932, 0.1298,
0.2467

 106.7813, 0.2605,
0.3128

 0.2840, 0.0000,
0.1590

 136.1425, 0.2645,
0.3142

 0.0000, 0.0000,
0.0000

 170.4458, 0.2678,

0.3153

210.0754, 0.2708,
0.3163

■ 20.6506, 0.2253,
0.2989

■ 20.6506, 0.2253,
0.2989

■ 19.8069, 0.2193,
0.2942

■ 21.6287, 0.2331,
0.3036

■ 19.0805, 0.2152,
0.2895

■ 22.7512, 0.2426,
0.3082


■ 18.5796, 0.2128,
0.2860


■ 24.0298, 0.2538,
0.3127


■ 25.4742, 0.2663,
0.3170

■ 27.0935, 0.2798,
0.3210

 28.8958, 0.2942,
0.3248

 30.8889, 0.3091,
0.3282

 33.0800, 0.3242,
0.3314

 35.4759, 0.3393,
0.3342

Harmonies

Analogous

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



20.6506, 0.2474, 0.3470



20.6506, 0.2253, 0.2989



20.6506, 0.2245, 0.2648

Triad

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



20.6506, 0.2253, 0.2989



20.6506, 0.3331, 0.2751



20.6506, 0.3811, 0.4126

Complementary

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



20.6506, 0.2253, 0.2989



9.7607, 0.5319, 0.3502

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.



20.6506, 0.4084, 0.3849



20.6506, 0.2253, 0.2989



20.6506, 0.3804, 0.3079

Square

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



20.6506, 0.2253, 0.2989



20.6506, 0.2832, 0.2545



20.6506, 0.4088, 0.3468



20.6506, 0.3364, 0.4180

Rectangle

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



20.6506, 0.2253, 0.2989



20.6506, 0.2357, 0.2529



20.6506, 0.4088, 0.3468



20.6506, 0.3927, 0.4052

Sweetspot

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



20.6514, 0.2253, 0.2989



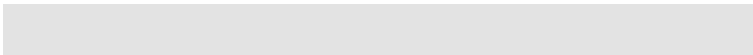
47.8176, 0.2798, 0.3210



23.2397, 0.2949, 0.5309



10.7018, 0.2764, 0.3200



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.



20.6514, 0.2253, 0.2989



34.1326, 0.2165, 0.2912



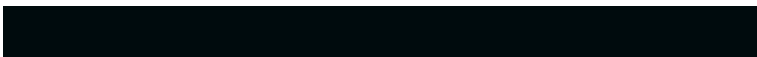
8.8357, 0.1955, 0.1789



6.8830, 0.2989, 0.3259



15.6108, 0.2129, 0.2863



0.2681, 0.2186, 0.3071

Inverse Universe

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



10.1327, 0.3446, 0.1909



15.5209, 0.3527, 0.1779



18.3516, 0.4532, 0.4350



6.3092, 0.3157, 0.3100



6.9812, 0.3577, 0.1744



0.1079, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 20.6506, 0.2253, 0.2989 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 20.6506, 0.2253, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

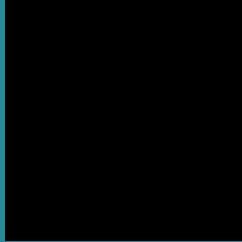
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6506, 0.2253, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 20.6506, 0.2253, 0.2989.

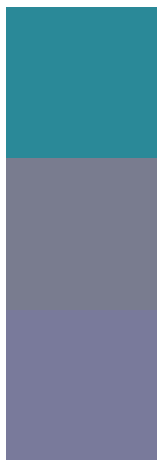


This preview shows how white text looks on a background with the Yxy color 20.6506, 0.2253, 0.2989.

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

20.6506, 0.2253, 0.2989

Protanopia

20.4634, 0.2889, 0.2949

Deuteranopia

20.3506, 0.2770, 0.2715



Tritanopia

20.7980, 0.2269, 0.3066

Trichromacy



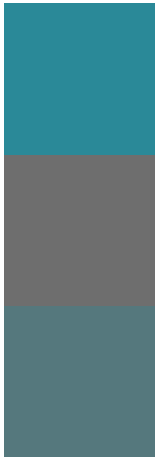
Original Color
20.6506, 0.2253, 0.2989

Protanomaly
20.0511, 0.2580, 0.2964

Deuteranomaly
19.7871, 0.2509, 0.2784

Tritanomaly
20.8504, 0.2267, 0.3047

Monochromacy



Original Color
20.6506, 0.2253, 0.2989

Achromatopsia
15.5926, 0.3127, 0.3290

Achromatomaly
16.8449, 0.2677, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6506, 0.2253, 0.2989 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(42, 137, 152) looks like.

```
.text, #text, p{  
    color:rgb(42, 137, 152)  
}
```

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(42, 137, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 137, 152) }
```

Border

The CSS property to change the border of an element to Yxy 20.6506, 0.2253, 0.2989 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(42, 137, 152) }
```

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

```
.border{ border-color:rgb(42, 137, 152) }
```

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

Here you see how a box with a 4 pixel rgb(42, 137, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 137, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 137, 152);  
box-shadow:4px 4px 4px 4px rgb(42, 137,  
152) }
```

Background

The CSS property to change the background color of an element to Yxy 20.6506, 0.2253, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 137, 152) }
```

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

```
.background{ background-color: rgb(42, 137,  
152) }
```

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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