

Converting Colors

$Y_{xy}(20.1601, 0.2154, 0.2626)$

Have a look what the booklet for
Yxy(20.1601, 0.2154, 0.2626)
contains.

Yxy(20.1601, 0.2154, 0.2626)	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

$\text{Yxy}(20.1601, 0.2154, 0.2626)$

Conversions

Conversions Part 1

Format	Color
Hex	2D85A8
RGB	45, 133, 168
RGB Percent	18%, 52%, 66%
CMY	0.8238, 0.4784, 0.3411
CMYK	0.73, 0.21, 0.00, 0.34
HSL	197°, 58%, 42%
HSV	197°, 73%, 66%
XYZ	16.5365, 20.1601, 40.0745
YIQ	110.6780, -63.6830, -7.7710

Conversions

Conversions Part 2

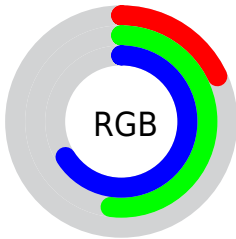
Format	Color
R_{YB}	45, 96, 168
Decimal	2983336
CIE _{Lab}	52.02, -14.05, -26.06
CIE _{LCh}	52, 29.604, 241.665
Yxy	20.1601, 0.2154, 0.2626
Android (android.graphics.Color)	4281173416 (0xFF2D85A8)
YUV	110.6780, 28.2597, -57.5996
Hunter-Lab	44.9000, -12.8341, -21.4880




Details

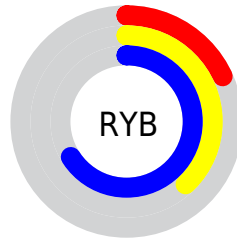
The Yxy color **20.1601, 0.2154, 0.2626** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **14.2453, 0.5138, 0.3755**, and the grayscale version is **15.7243, 0.3127, 0.3290**.




A 20% lighter version of the original color is **43.6337, 0.2361, 0.2780**, and **7.4475, 0.1994, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **18.5740, 0.2076, 0.2520**, and if you desaturate by 10%, it is **21.9588, 0.2251, 0.2731**.

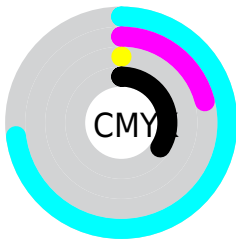
Distribution







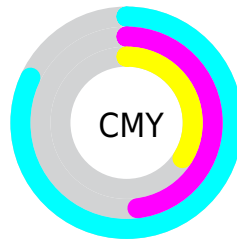
-  Red (18%)
-  Green (52%)
-  Blue (66%)






-  Red (18%)
-  Yellow (38%)
-  Blue (66%)



-  Cyan (73%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (82%)
-  Magenta (48%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1601, 0.2154, 0.2626 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 20.1601, 0.2154, 0.2626 by changing the saturation by 10% instead.

■ 20.1601, 0.2154,
0.2626

■ 20.1601, 0.2154,
0.2626

■ 252.7805, 0.2685,
0.3008

■ 12.5115, 0.2008,
0.2513

■ 43.6854, 0.2357,
0.2778

■ 7.0930, 0.1814,
0.2356

■ 60.3309, 0.2431,
0.2831

■ 3.5203, 0.1546,
0.2128

■ 80.7442, 0.2492,
0.2874

■ 1.4090, 0.1165,
0.1777

■ 105.3096, 0.2543,
0.2910

■ 0.2234, 0.0000,
0.0809

■ 134.4115, 0.2586,
0.2940

■ 0.0000, 0.0000,
0.0000

168.4344, 0.2624,

0.2966

207.7626, 0.2657,
0.2988

■ 20.1601, 0.2154,
0.2626

■ 20.1601, 0.2154,
0.2626

■ 18.5740, 0.2076,
0.2520

■ 21.9588, 0.2251,
0.2731

■ 17.1782, 0.2017,
0.2415

■ 23.9848, 0.2365,
0.2834

■ 16.3147, 0.1985,
0.2344

■ 26.2536, 0.2493,
0.2933

■ 28.7785, 0.2631,
0.3027

■ 31.5717, 0.2777,
0.3114

■ 34.6445, 0.2927,
0.3194

■ 38.0074, 0.3078,
0.3268

■ 41.6704, 0.3228,
0.3334

■ 45.6428, 0.3375,
0.3393

Harmonies

Analogous

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



20.1601, 0.2195, 0.3023



20.1601, 0.2154, 0.2626



20.1601, 0.2340, 0.2441

Triad

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



20.1601, 0.2154, 0.2626



20.1601, 0.3805, 0.3000



20.1601, 0.3458, 0.4284

Complementary

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



20.1601, 0.2154, 0.2626



14.2453, 0.5138, 0.3755

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.



20.1601, 0.3930, 0.4172



20.1601, 0.2154, 0.2626



20.1601, 0.4157, 0.3415

Square

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



20.1601, 0.2154, 0.2626



20.1601, 0.3267, 0.2662



20.1601, 0.4197, 0.3837



20.1601, 0.2921, 0.4063

Rectangle

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



20.1601, 0.2154, 0.2626



20.1601, 0.2581, 0.2433



20.1601, 0.4197, 0.3837



20.1601, 0.3630, 0.4280

Sweetspot

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



20.1608, 0.2154, 0.2626



57.7329, 0.2790, 0.3121



29.1451, 0.2850, 0.5027



12.2864, 0.2751, 0.3099



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.



20.1608, 0.2154, 0.2626



32.0495, 0.2036, 0.2453



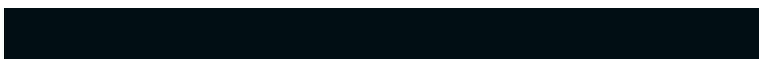
7.9676, 0.1849, 0.1411



8.1660, 0.2987, 0.3224



12.4076, 0.1987, 0.2354



0.3823, 0.2083, 0.2699

Inverse Universe

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



11.8922, 0.3769, 0.2102



18.5544, 0.3961, 0.2018



27.6692, 0.4345, 0.4588



7.6297, 0.3179, 0.3130



7.3236, 0.4070, 0.2016



0.1863, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 20.1601, 0.2154, 0.2626 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 20.1601, 0.2154, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

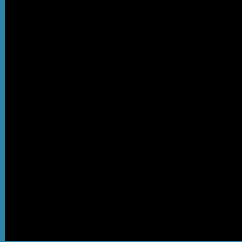
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1601, 0.2154, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 20.1601, 0.2154, 0.2626.

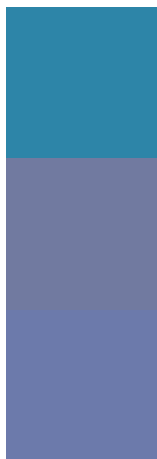


This preview shows how white text looks on a background with the Yxy color 20.1601, 0.2154, 0.2626.

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

20.1601, 0.2154, 0.2626

Protanopia

19.9678, 0.2642, 0.2623

Deuteranopia

20.0475, 0.2504, 0.2449



Tritanopia

20.2763, 0.2231, 0.3063

Trichromacy



Original Color

20.1601, 0.2154, 0.2626

Protanomaly

19.6408, 0.2406, 0.2611

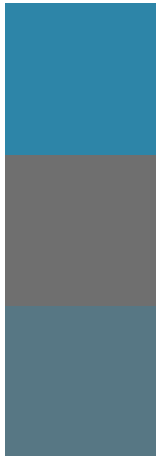
Deuteranomaly

19.7553, 0.2334, 0.2498

Tritanomaly

20.3150, 0.2203, 0.2910

Monochromacy



Original Color

20.1601, 0.2154, 0.2626

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.8858, 0.2629, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1601, 0.2154, 0.2626 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(45, 133, 168)` looks like.

```
.text, #text, p{  
    color:rgb(45, 133, 168)  
}
```

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(45, 133, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 133, 168) }
```

Border

The CSS property to change the border of an element to Yxy 20.1601, 0.2154, 0.2626 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(45, 133, 168) }
```

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

```
.border{ border-color:rgb(45, 133, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 133, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 133, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 133, 168);  
box-shadow:4px 4px 4px 4px rgb(45, 133,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1601, 0.2154, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 133, 168) }
```

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

```
.background{ background-color: rgb(45, 133,  
168) }
```

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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