

Converting Colors

$Y_{xy}(20.2289, 0.3338, 0.3065)$

Have a look what the booklet for
Yxy(20.2289, 0.3338, 0.3065)
contains.

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Color

Yxy(20.1222, 0.3330, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	917482
RGB	145, 116, 130
RGB Percent	57%, 45%, 51%
CMY	0.4315, 0.5450, 0.4903
CMYK	0.00, 0.20, 0.10, 0.43
HSL	331°, 12%, 51%
HSV	331°, 20%, 57%
XYZ	21.9479, 20.1222, 23.8395
YIQ	126.2670, 12.7900, 10.5020

Conversions

Conversions Part 2

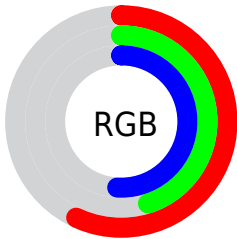
Format	Color
R _{YB}	145, 116, 130
Decimal	9532546
CIE _{Lab}	51.98, 13.76, -3.34
CIE _{LCh}	52, 14.157, 346.335
Yxy	20.1222, 0.3330, 0.3053
Android (android.graphics.Color)	4287722626 (0xFF917482)
YUV	126.2670, 1.8404, 16.4288
Hunter-Lab	44.8578, 8.8349, -0.1090

Details

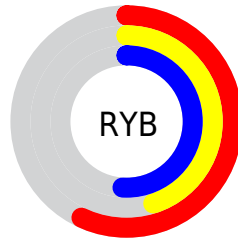
The Yxy color $20.1222, 0.3330, 0.3053$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $25.5975, 0.2963, 0.3540$, and the grayscale version is $20.9496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5663, 0.3283, 0.3102$, and $7.1080, 0.3403, 0.2961$ is the 20% darker color. If you saturate the color by 10%, you get $16.8427, 0.3462, 0.2928$, and if you desaturate by 10%, it is $23.9399, 0.3219, 0.3175$.

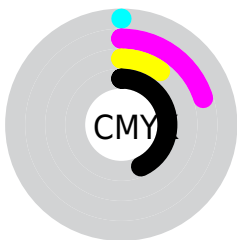
Distribution



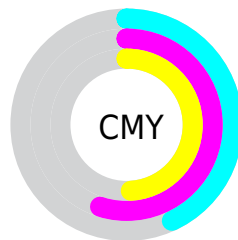
- Red (57%)
- Green (45%)
- Blue (51%)



- Red (57%)
- Yellow (45%)
- Blue (51%)



- Cyan (0%)
- Magenta (20%)
- Yellow (10%)
- Black (43%)




- Cyan (43%)
- Magenta (55%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1222, 0.3330, 0.3053 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 20.1222, 0.3330, 0.3053 by changing the saturation by 10% instead.


 20.1222, 0.3330,
0.3053


 20.1222, 0.3330,
0.3053


252.5759, 0.3216,
0.3186


 12.4839, 0.3364,
0.3014


 43.6220, 0.3285,
0.3105


 7.0741, 0.3412,
0.2959


 60.2522, 0.3269,
0.3124

 3.5085, 0.3484,
0.2878

 80.6486, 0.3256,
0.3139

 1.4026, 0.3605,
0.2743

 105.1955, 0.3245,
0.3151

 0.2187, 0.4405,
0.1772

134.2772, 0.3236,
0.3162

 0.0000, 0.0000,
0.0000

168.2783, 0.3228,

0.3171

207.5831, 0.3221,
0.3179

■ 20.1222, 0.3330,
0.3053

■ 20.1222, 0.3330,
0.3053

■ 16.8427, 0.3462,
0.2928

■ 23.9399, 0.3219,
0.3175

■ 14.0743, 0.3619,
0.2803

■ 28.3159, 0.3127,
0.3290

■ 11.7914, 0.3802,
0.2684

■ 33.2727, 0.3051,
0.3398

■ 9.9654, 0.4011,
0.2581

■ 38.8306, 0.2987,
0.3498

■ 8.5646, 0.4243,
0.2505

■ 45.0091, 0.2935,
0.3591

7.5528, 0.4491,
0.2467

51.8266, 0.2891,
0.3675

6.8883, 0.4743,
0.2476

59.3009, 0.2855,
0.3753

6.4598, 0.4992,
0.2524

67.4491, 0.2825,
0.3824

6.4590, 0.4993,
0.2524

76.2875, 0.2799,
0.3888

Harmonies

Analogous

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



20.1222, 0.3064, 0.2908



20.1222, 0.3330, 0.3053



20.1222, 0.3546, 0.3257

Triad

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



20.1222, 0.3330, 0.3053



20.1222, 0.3424, 0.3753



20.1222, 0.2635, 0.3069

Complementary

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



20.1222, 0.3330, 0.3053



25.5975, 0.2963, 0.3540

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.



20.1222, 0.2722, 0.3303



20.1222, 0.3330, 0.3053



20.1222, 0.3172, 0.3714

Square

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



20.1222, 0.3330, 0.3053



20.1222, 0.3599, 0.3660



20.1222, 0.2917, 0.3545



20.1222, 0.2672, 0.2909

Rectangle

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



20.1222, 0.3330, 0.3053



20.1222, 0.3629, 0.3405



20.1222, 0.2917, 0.3545



20.1222, 0.2650, 0.3141

Sweetspot

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



20.1231, 0.3330, 0.3053



45.7864, 0.3182, 0.3220



19.3614, 0.2980, 0.2786



10.0901, 0.3187, 0.3214



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.



20.1231, 0.3330, 0.3053



33.2751, 0.3387, 0.2997



19.8848, 0.3506, 0.3300



5.4647, 0.3211, 0.3184



5.5470, 0.4979, 0.2517



0.0574, 0.4079, 0.2021

Inverse Universe

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



20.1231, 0.3330, 0.3053



33.2751, 0.3387, 0.2997



25.8550, 0.2838, 0.3281



5.4647, 0.3211, 0.3184



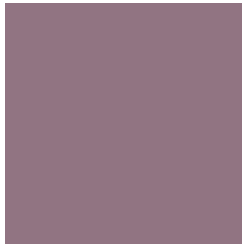
5.5470, 0.4979, 0.2517



0.0574, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 20.1222, 0.3330, 0.3053 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 20.1222, 0.3330, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

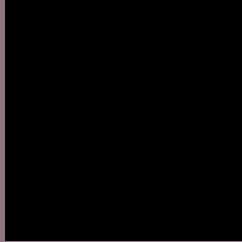
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1222, 0.3330, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 20.1222, 0.3330, 0.3053.



This preview shows how white text looks on a background with the Yxy color 20.1222, 0.3330, 0.3053.

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

20.1222, 0.3330, 0.3053

Protanopia

20.0981, 0.3006, 0.3089

Deuteranopia

20.0863, 0.3197, 0.3131



Tritanopia

20.1582, 0.3365, 0.3136

Trichromacy



Original Color

20.1222, 0.3330, 0.3053

Protanomaly

19.9517, 0.3113, 0.3059

Deuteranomaly

20.1819, 0.3248, 0.3116

Tritanomaly

20.1842, 0.3352, 0.3119

Monochromacy



Original Color

20.1222, 0.3330, 0.3053

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4379, 0.3205, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1222, 0.3330, 0.3053 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(145, 116, 130)` looks like.

```
.text, #text, p{  
    color:rgb(145, 116, 130)  
}
```

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(145, 116, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 116, 130) }
```

Border

The CSS property to change the border of an element to Yxy 20.1222, 0.3330, 0.3053 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(145, 116, 130) }
```

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

```
.border{ border-color:rgb(145, 116, 130) }
```

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

Here you see how a box with a 4 pixel rgb(145, 116, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 116, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 116, 130);  
box-shadow:4px 4px 4px 4px rgb(145, 116,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1222, 0.3330, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 116, 130) }
```

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

```
.background{ background-color: rgb(145,  
116, 130) }
```

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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