

Converting Colors

$Yxy(23.9489, 0.2644, 0.4476)$

Have a look what the booklet for
Yxy(23.9489, 0.2644, 0.4476)
contains.

Yxy(23.9556, 0.2644, 0.4474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9556, 0.2644, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	1F9962
RGB	31, 153, 98
RGB Percent	12%, 60%, 38%
CMY	0.8791, 0.4000, 0.6157
CMYK	0.80, 0.00, 0.36, 0.40
HSL	153°, 66%, 36%
HSV	153°, 80%, 60%
XYZ	14.1570, 23.9556, 15.4314
YIQ	110.2520, -55.0570, -42.9690

Conversions

Conversions Part 2

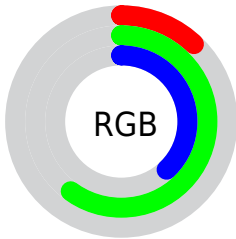
Format	Color
R_{YB}	31, 110, 153
Decimal	2070882
CIE _{Lab}	56.04, -45.49, 19.94
CIE _{LCh}	56, 49.667, 156.332
Yxy	23.9556, 0.2644, 0.4474
Android (android.graphics.Color)	4280260962 (0xFF1F9962)
YUV	110.2520, -6.0402, -69.5040
Hunter-Lab	48.9445, -34.0222, 15.5680

Details

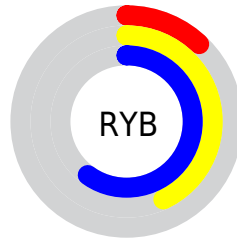
The Yxy color **23.9556, 0.2644, 0.4474** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4147, 0.4593, 0.2527**, and the grayscale version is **15.6858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8231, 0.2764, 0.4185**, and **9.5464, 0.2694, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **23.6493, 0.2650, 0.4645**, and if you desaturate by 10%, it is **24.3877, 0.2658, 0.4301**.

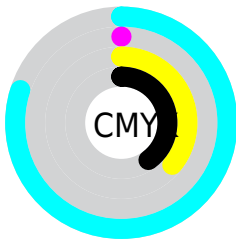
Distribution



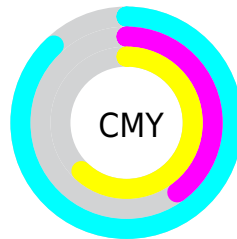
- Red (12%)
- Green (60%)
- Blue (38%)



- Red (12%)
- Yellow (43%)
- Blue (60%)



- Cyan (80%)
- Magenta (0%)
- Yellow (36%)
- Black (40%)




- Cyan (88%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9556, 0.2644, 0.4474 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 23.9556, 0.2644, 0.4474 by changing the saturation by 10% instead.


 23.9556, 0.2644,
0.4474


 23.9556, 0.2644,
0.4474


272.5959, 0.2932,
0.3776


 15.3007, 0.2551,
0.4696


 49.9577, 0.2763,
0.4189


 9.0307, 0.2415,
0.5015


 68.0738, 0.2803,
0.4092

 4.7612, 0.2201,
0.5512

 90.1123, 0.2835,
0.4013

 2.1078, 0.1791,
0.6535

 116.4576, 0.2861,
0.3949

 0.6690, 0.0000,
1.0000

 147.4943, 0.2883,
0.3895

 0.0000, 0.0000,
0.0000

 183.6067, 0.2902,

0.3849

225.1791, 0.2918,
0.3810

■ 23.9556, 0.2644,
0.4474

■ 23.9556, 0.2644,
0.4474

■ 23.6493, 0.2650,
0.4645

■ 24.3877, 0.2658,
0.4301

■ 23.4310, 0.2670,
0.4811

■ 24.9571, 0.2690,
0.4129

■ 23.4277, 0.2670,
0.4813

■ 25.6770, 0.2739,
0.3963

■ 26.5586, 0.2801,
0.3805

■ 27.6115, 0.2874,
0.3658

■ 28.8450, 0.2955,
0.3522

■ 30.2673, 0.3040,
0.3399

■ 31.8865, 0.3129,
0.3288

■ 33.7098, 0.3217,
0.3189

Harmonies

Analogous

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



23.9556, 0.3449, 0.4892



23.9556, 0.2644, 0.4474



23.9556, 0.2016, 0.3565

Triad

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



23.9556, 0.2644, 0.4474



23.9556, 0.2014, 0.2011



23.9556, 0.4796, 0.3507

Complementary

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



23.9556, 0.2644, 0.4474



8.4147, 0.4593, 0.2527

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.



23.9556, 0.4313, 0.2915



23.9556, 0.2644, 0.4474



23.9556, 0.2618, 0.2099

Square

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



23.9556, 0.2644, 0.4474



23.9556, 0.1710, 0.2195



23.9556, 0.3465, 0.2419



23.9556, 0.4728, 0.4128

Rectangle

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



23.9556, 0.2644, 0.4474



23.9556, 0.1771, 0.2963



23.9556, 0.3465, 0.2419



23.9556, 0.4693, 0.3304

Sweetspot

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



23.9566, 0.2644, 0.4474



50.5863, 0.2917, 0.3584



24.9516, 0.3411, 0.5439



11.0134, 0.2890, 0.3629



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.



23.9566, 0.2644, 0.4474



42.0425, 0.2668, 0.4778



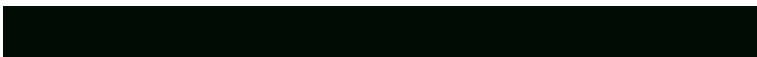
24.0645, 0.2273, 0.3209



6.9795, 0.3046, 0.3392



19.3664, 0.2667, 0.4802



0.2969, 0.2471, 0.4094

Inverse Universe

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



8.4147, 0.4593, 0.2527



13.1083, 0.5076, 0.2596



8.0684, 0.5788, 0.3340



6.2666, 0.3217, 0.3190



5.9578, 0.5119, 0.2593



0.0963, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 23.9556, 0.2644, 0.4474 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 23.9556, 0.2644, 0.4474 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 23.9556, 0.2644, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 23.9556, 0.2644, 0.4474.



This preview shows how white text looks on a background with the Yxy color 23.9556, 0.2644, 0.4474.

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

23.9556, 0.2644, 0.4474

Protanopia

23.5330, 0.3745, 0.4022

Deuteranopia

23.5057, 0.3750, 0.3684



Tritanopia

24.0185, 0.2343, 0.3063

Trichromacy



Original Color

23.9556, 0.2644, 0.4474



Protanomaly

22.4300, 0.3187, 0.4219



Deuteranomaly

22.1656, 0.3182, 0.3969



Tritanomaly

23.9506, 0.2445, 0.3548

Monochromacy



Original Color

23.9556, 0.2644, 0.4474



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.7116, 0.2832, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9556, 0.2644, 0.4474 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(31, 153, 98)` looks like.

```
.text, #text, p{  
    color:rgb(31, 153, 98)  
}
```

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(31, 153, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 153, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.9556, 0.2644, 0.4474 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(31, 153, 98) }
```

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

```
.border{ border-color:rgb(31, 153, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 153, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 153, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 153, 98);  
box-shadow:4px 4px 4px 4px rgb(31, 153,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9556, 0.2644, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 153, 98) }
```

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

```
.background{ background-color: rgb(31, 153,  
98) }
```

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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