

Converting Colors

$Yxy(21.7728, 0.2340, 0.3553)$

Have a look what the booklet for
Yxy(21.7728, 0.2340, 0.3553)
contains.

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Color

$\text{Yxy}(21.7058, 0.2336, 0.3542)$

Conversions

Conversions Part 1

Format	Color
Hex	0E9084
RGB	14, 144, 132
RGB Percent	5%, 56%, 52%
CMY	0.9461, 0.4353, 0.4824
CMYK	0.90, 0.00, 0.08, 0.44
HSL	174°, 83%, 31%
HSV	174°, 90%, 56%
XYZ	14.3153, 21.7058, 25.2601
YIQ	103.7620, -73.6280, -31.2920

Conversions

Conversions Part 2

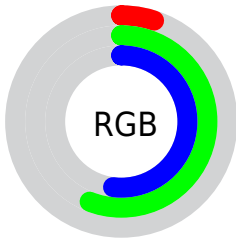
Format	Color
RYB	14, 82, 144
Decimal	954500
CIELab	53.71, -34.46, -2.70
CIELCh	54, 34.568, 184.473
Yxy	21.7058, 0.2336, 0.3542
Android (android.graphics.Color)	4279144580 (0xFF0E9084)
YUV	103.7620, 13.9213, -78.7213
Hunter-Lab	46.5895, -26.6849, 0.4665

Details

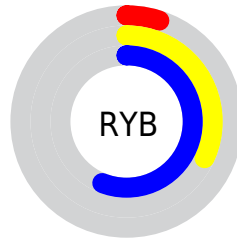
The Yxy color **21.7058, 0.2336, 0.3542** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3108, 0.6008, 0.3202**, and the grayscale version is **13.7324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0646, 0.2507, 0.3483**, and **8.4532, 0.2334, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **21.5809, 0.2325, 0.3571**, and if you desaturate by 10%, it is **21.9008, 0.2359, 0.3511**.

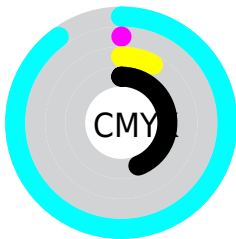
Distribution



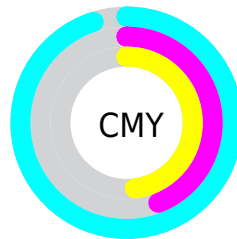
- Red (5%)
- Green (56%)
- Blue (52%)



- Red (5%)
- Yellow (32%)
- Blue (56%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (44%)




- Cyan (95%)
- Magenta (44%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7058, 0.2336, 0.3542 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 21.7058, 0.2336, 0.3542 by changing the saturation by 10% instead.


 21.7058, 0.2336,
0.3542


 21.7058, 0.2336,
0.3542


 261.0060, 0.2775,
0.3406


 13.6409, 0.2210,
0.3579


 46.2593, 0.2507,
0.3490


 7.8713, 0.2038,
0.3628


 63.5166, 0.2568,
0.3472


 4.0127, 0.1789,
0.3694

 84.6069, 0.2618,
0.3456

 1.6807, 0.1362,
0.3805

 109.9145, 0.2660,
0.3443

 0.4111, 0.0000,
0.3926

 139.8238, 0.2695,
0.3432

 0.0000, 0.0000,
0.0000

 174.7192, 0.2725,

0.3422

214.9852, 0.2752,
0.3414

■ 21.7058, 0.2336,
0.3542

■ 21.7058, 0.2336,
0.3542

■ 21.5809, 0.2325,
0.3571

■ 21.9008, 0.2359,
0.3511

■ 22.1927, 0.2400,
0.3481

■ 22.5947, 0.2458,
0.3450

■ 23.1171, 0.2535,
0.3420

■ 23.7693, 0.2628,
0.3391

■ 24.5595, 0.2736,
0.3363

■ 25.4955, 0.2856,
0.3337

■ 26.5842, 0.2985,
0.3313

■ 27.8323, 0.3121,
0.3291

Harmonies

Analogous

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



21.7058, 0.2831, 0.4139



21.7058, 0.2336, 0.3542



21.7058, 0.2063, 0.2927

Triad

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



21.7058, 0.2336, 0.3542



21.7058, 0.2728, 0.2375



21.7058, 0.4325, 0.3935

Complementary

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



21.7058, 0.2336, 0.3542



6.3108, 0.6008, 0.3202

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.



21.7058, 0.4322, 0.3465



21.7058, 0.2336, 0.3542



21.7058, 0.3343, 0.2615

Square

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



21.7058, 0.2336, 0.3542



21.7058, 0.2273, 0.2328



21.7058, 0.3949, 0.3000



21.7058, 0.3987, 0.4310

Rectangle

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



21.7058, 0.2336, 0.3542



21.7058, 0.2022, 0.2619



21.7058, 0.3949, 0.3000



21.7058, 0.4366, 0.3783

Sweetspot

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



21.7066, 0.2336, 0.3542



43.7633, 0.2769, 0.3356



20.2105, 0.3046, 0.5865



9.9282, 0.2735, 0.3364



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.



21.7066, 0.2336, 0.3542



38.0445, 0.2327, 0.3577



9.7423, 0.1939, 0.2092



6.1079, 0.3002, 0.3310



18.7918, 0.2325, 0.3569



0.1813, 0.2283, 0.3418

Inverse Universe

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



6.3108, 0.6008, 0.3202



10.4989, 0.6297, 0.3243



9.8397, 0.5418, 0.3943



5.4317, 0.3268, 0.3270



5.1911, 0.6260, 0.3222



0.0509, 0.5680, 0.2903

Previews

White Background



This preview shows how the Yxy color 21.7058, 0.2336, 0.3542 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 21.7058, 0.2336, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

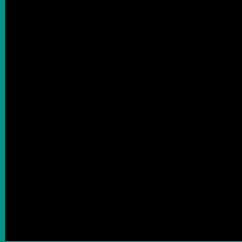
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7058, 0.2336, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 21.7058, 0.2336, 0.3542.

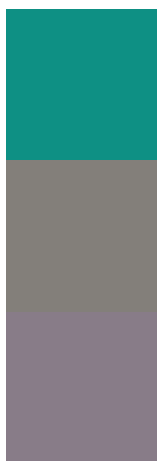


This preview shows how white text looks on a background with the Yxy color 21.7058, 0.2336, 0.3542.

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

21.7058, 0.2336, 0.3542

Protanopia

21.4092, 0.3231, 0.3380

Deuteranopia

21.4271, 0.3137, 0.3083



Tritanopia

21.7101, 0.2256, 0.3070

Trichromacy



Original Color

21.7058, 0.2336, 0.3542

Protanomaly

20.3561, 0.2726, 0.3430

Deuteranomaly

20.2572, 0.2679, 0.3210

Tritanomaly

21.6515, 0.2279, 0.3227

Monochromacy



Original Color

21.7058, 0.2336, 0.3542

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.7481, 0.2642, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7058, 0.2336, 0.3542 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(14, 144, 132)` looks like.

```
.text, #text, p{  
  color:rgb(14, 144, 132)  
}
```

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(14, 144, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 144, 132) }
```

Border

The CSS property to change the border of an element to Yxy 21.7058, 0.2336, 0.3542 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(14, 144, 132) }
```

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

```
.border{ border-color:rgb(14, 144, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 144, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 144, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 144, 132);  
box-shadow:4px 4px 4px 4px rgb(14, 144,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7058, 0.2336, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 144, 132) }
```

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

```
.background{ background-color: rgb(14, 144,  
132) }
```

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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