

Converting Colors

$Yxy(21.6995, 0.2264, 0.3187)$

Have a look what the booklet for
 $\text{Yxy}(21.6995, 0.2264, 0.3187)$
contains.

$\text{Yxy}(21.6995, 0.2264, 0.3187)$	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

$\text{Yxy}(21.6995, 0.2264, 0.3187)$

Conversions

Conversions Part 1

Format	Color
Hex	1C8E93
RGB	28, 142, 147
RGB Percent	11%, 56%, 58%
CMY	0.8906, 0.4431, 0.4236
CMYK	0.81, 0.03, 0.00, 0.42
HSL	183°, 68%, 34%
HSV	183°, 81%, 58%
XYZ	15.4150, 21.6995, 30.9730
YIQ	108.4840, -69.5490, -22.6130

Conversions

Conversions Part 2

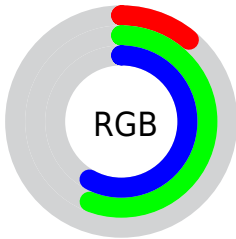
Format	Color
R_{YB}	28, 86, 147
Decimal	1871507
CIE _{Lab}	53.71, -27.79, -11.35
CIE _{LCh}	54, 30.018, 202.217
Yxy	21.6995, 0.2264, 0.3187
Android (android.graphics.Color)	4280061587 (0xFF1C8E93)
YUV	108.4840, 18.9884, -70.5845
Hunter-Lab	46.5827, -22.4511, -6.8142

Details

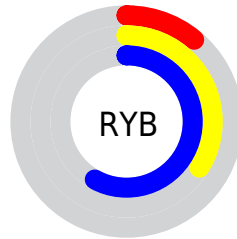
The Yxy color **21.6995, 0.2264, 0.3187** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.3655, 0.5813, 0.3350**, and the grayscale version is **15.0913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1837, 0.2445, 0.3216**, and **8.3267, 0.2205, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **21.3597, 0.2231, 0.3174**, and if you desaturate by 10%, it is **22.1430, 0.2314, 0.3201**.

Distribution



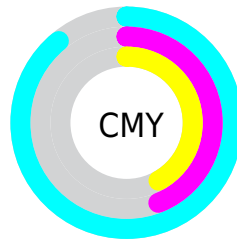
- Red (11%)
- Green (56%)
- Blue (58%)



- Red (11%)
- Yellow (34%)
- Blue (58%)



- Cyan (81%)
- Magenta (3%)
- Yellow (0%)
- Black (42%)




- Cyan (89%)
- Magenta (44%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6995, 0.2264, 0.3187 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 21.6995, 0.2264, 0.3187 by changing the saturation by 10% instead.


 21.6995, 0.2264,
0.3187

 21.6995, 0.2264,
0.3187


 260.9730, 0.2737,
0.3258


 13.6363, 0.2132,
0.3160


 46.2488, 0.2446,
0.3219


 7.8681, 0.1953,
0.3117


 63.5037, 0.2511,
0.3229


 4.0107, 0.1701,
0.3045

 84.5913, 0.2565,
0.3237

 1.6795, 0.1322,
0.2907

 109.8959, 0.2611,
0.3243

 0.4104, 0.0000,
0.2446

 139.8020, 0.2649,
0.3248

 0.0000, 0.0000,
0.0000

 174.6939, 0.2683,

0.3252

214.9561, 0.2711,
0.3255

■ 21.6995, 0.2264,
0.3187

■ 21.6995, 0.2264,
0.3187

■ 21.3597, 0.2231,
0.3174

■ 22.1430, 0.2314,
0.3201

■ 21.1099, 0.2212,
0.3162

■ 22.7009, 0.2383,
0.3214

■ 23.3851, 0.2469,
0.3228

■ 24.2053, 0.2573,
0.3242

■ 25.1704, 0.2691,
0.3254

■ 26.2885, 0.2822,
0.3267

■ 27.5670, 0.2963,
0.3278

■ 29.0130, 0.3112,
0.3289

■ 30.6329, 0.3265,
0.3299

Harmonies

Analogous

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



21.6995, 0.2597, 0.3735



21.6995, 0.2264, 0.3187



21.6995, 0.2151, 0.2735

Triad

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



21.6995, 0.2264, 0.3187



21.6995, 0.3091, 0.2589



21.6995, 0.4033, 0.4076

Complementary

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



21.6995, 0.2264, 0.3187



7.3655, 0.5813, 0.3350

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.



21.6995, 0.4209, 0.3705



21.6995, 0.2264, 0.3187



21.6995, 0.3641, 0.2886

Square

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



21.6995, 0.2264, 0.3187



21.6995, 0.2594, 0.2442



21.6995, 0.4066, 0.3281



21.6995, 0.3616, 0.4271

Rectangle

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



21.6995, 0.2264, 0.3187



21.6995, 0.2203, 0.2544



21.6995, 0.4066, 0.3281



21.6995, 0.4124, 0.3965

Sweetspot

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



21.7003, 0.2264, 0.3187



46.3626, 0.2775, 0.3263



21.2116, 0.2998, 0.5696



10.4349, 0.2733, 0.3259



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7003, 0.2264, 0.3187



37.8831, 0.2216, 0.3163



8.6102, 0.1917, 0.1861



6.5211, 0.2990, 0.3280



18.3145, 0.2212, 0.3162



0.2345, 0.2231, 0.3230

Inverse Universe

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



8.9805, 0.3286, 0.1703



14.6731, 0.3313, 0.1609



13.8374, 0.4887, 0.4222



5.9050, 0.3143, 0.3081



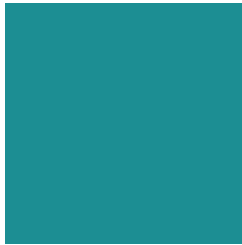
7.0422, 0.3314, 0.1599



0.0872, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 21.6995, 0.2264, 0.3187 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 21.6995, 0.2264, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

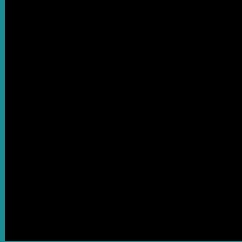
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6995, 0.2264, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 21.6995, 0.2264, 0.3187.



This preview shows how white text looks on a background with the Yxy color 21.6995, 0.2264, 0.3187.

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

21.6995, 0.2264, 0.3187

Protanopia

21.4969, 0.3020, 0.3112

Deuteranopia

21.5687, 0.2898, 0.2845



Tritanopia

21.6730, 0.2238, 0.3050

Trichromacy



Original Color

21.6995, 0.2264, 0.3187

Protanomaly

20.6498, 0.2621, 0.3115

Deuteranomaly

20.7099, 0.2553, 0.2932

Tritanomaly

21.5754, 0.2244, 0.3088

Monochromacy



Original Color

21.6995, 0.2264, 0.3187

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.5003, 0.2646, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6995, 0.2264, 0.3187 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(28, 142, 147)` looks like.

```
.text, #text, p{  
    color:rgb(28, 142, 147)  
}
```

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(28, 142, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 142, 147) }
```

Border

The CSS property to change the border of an element to Yxy 21.6995, 0.2264, 0.3187 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(28, 142, 147) }
```

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

```
.border{ border-color:rgb(28, 142, 147) }
```

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

Here you see how a box with a 4 pixel rgb(28, 142, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 142, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 142, 147);  
box-shadow:4px 4px 4px 4px rgb(28, 142,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6995, 0.2264, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 142, 147) }
```

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

```
.background{ background-color: rgb(28, 142,  
147) }
```

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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