

Converting Colors

$Yxy(42.2003, 0.2215, 0.3123)$

Have a look what the booklet for
Yxy(42.2003, 0.2215, 0.3123)
contains.

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Color

Yxy(42.1598, 0.2214, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	14C0CB
RGB	20, 192, 203
RGB Percent	8%, 75%, 80%
CMY	0.9212, 0.2470, 0.2040
CMYK	0.90, 0.05, 0.00, 0.20
HSL	184°, 82%, 44%
HSV	184°, 90%, 80%
XYZ	29.9172, 42.1598, 63.0505
YIQ	141.8260, -106.0430, -33.0430

Conversions

Conversions Part 2

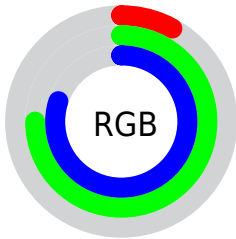
Format	Color
RYB	20, 109, 203
Decimal	1360075
CIELab	70.98, -34.80, -16.73
CIELCh	71, 38.613, 205.682
Yxy	42.1598, 0.2214, 0.3120
Android (android.graphics.Color)	4279550155 (0xFF14C0CB)
YUV	141.8260, 30.1588, -106.8414
Hunter-Lab	64.9306, -31.3833, -12.1219

Details

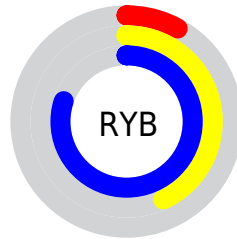
The Yxy color **42.1598, 0.2214, 0.3120** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.7299, 0.6163, 0.3352**, and the grayscale version is **26.9009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1595, 0.2392, 0.3218**, and **20.3469, 0.2184, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **41.4834, 0.2195, 0.3100**, and if you desaturate by 10%, it is **43.0083, 0.2248, 0.3140**.

Distribution



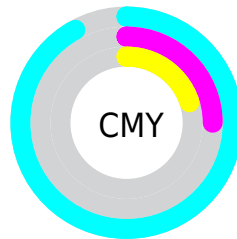
- Red (8%)
- Green (75%)
- Blue (80%)



- Red (8%)
- Yellow (43%)
- Blue (80%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (92%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1598, 0.2214, 0.3120 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 42.1598, 0.2214, 0.3120 by changing the saturation by 10% instead.


 42.1598, 0.2214,
0.3120


 42.1598, 0.2214,
0.3120


355.1449, 0.2662,
0.3221

 29.2264, 0.2106,
0.3090


 78.4414, 0.2374,
0.3161


 19.2522, 0.1971,
0.3048


 102.5585, 0.2435,
0.3175

 11.8526, 0.1796,
0.2988


 131.1722, 0.2487,
0.3186

 6.6434, 0.1564,
0.2896

 164.6670, 0.2531,
0.3196

 3.2401, 0.1246,
0.2744

 203.4273, 0.2570,
0.3204

 1.2583, 0.0611,
0.2512

247.8374, 0.2604,

 0.1086, 0.0000,

0.3211

0.0757

298.2819, 0.2635,
0.3216

■ 0.0000, 0.0000,
0.0000

■ 42.1598, 0.2214,
0.3120

■ 42.1598, 0.2214,
0.3120

■ 41.4834, 0.2195,
0.3100

■ 43.0083, 0.2248,
0.3140

■ 44.0738, 0.2300,
0.3160

■ 45.3869, 0.2371,
0.3181

■ 46.9725, 0.2461,
0.3201

■ 48.8521, 0.2569,
0.3221

■ 51.0454, 0.2692,
0.3240

■ 53.5699, 0.2827,
0.3258

■ 56.4423, 0.2973,
0.3274

■ 59.6777, 0.3126,
0.3290

Harmonies

Analogous

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



42.1598, 0.2531, 0.3685



42.1598, 0.2214, 0.3120



42.1598, 0.2126, 0.2677

Triad

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



42.1598, 0.2214, 0.3120



42.1598, 0.3154, 0.2598



42.1598, 0.4020, 0.4133

Complementary

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



42.1598, 0.2214, 0.3120



13.7299, 0.6163, 0.3352

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.



42.1598, 0.4237, 0.3763



42.1598, 0.2214, 0.3120



42.1598, 0.3718, 0.2917

Square

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



42.1598, 0.2214, 0.3120



42.1598, 0.2630, 0.2427



42.1598, 0.4129, 0.3329



42.1598, 0.3569, 0.4307

Rectangle

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



42.1598, 0.2214, 0.3120



42.1598, 0.2197, 0.2498



42.1598, 0.4129, 0.3329



42.1598, 0.4124, 0.4024

Sweetspot

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



42.1613, 0.2214, 0.3120



86.5882, 0.2728, 0.3245



42.9445, 0.2990, 0.5873



18.2371, 0.2682, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.1613, 0.2214, 0.3120



69.3559, 0.2194, 0.3098



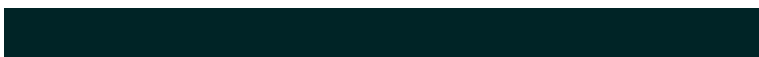
14.0428, 0.1797, 0.1591



12.6071, 0.2984, 0.3276



26.4527, 0.2195, 0.3103



1.4005, 0.2206, 0.3142

Inverse Universe

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



17.0043, 0.3348, 0.1655



27.5327, 0.3369, 0.1630



26.3446, 0.5090, 0.4250



11.3917, 0.3147, 0.3075



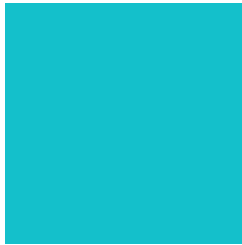
10.4734, 0.3364, 0.1627



0.5439, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 42.1598, 0.2214, 0.3120 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 42.1598, 0.2214, 0.3120 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 ✓ Pass

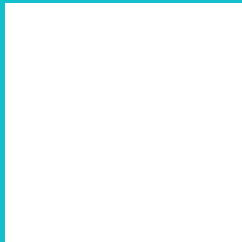
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1598, 0.2214, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 42.1598, 0.2214, 0.3120.



This preview shows how white text looks on a background with the Yxy color 42.1598, 0.2214, 0.3120.

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

42.1598, 0.2214, 0.3120

Protanopia

41.3896, 0.2964, 0.3034

Deuteranopia

41.5879, 0.2835, 0.2783



Tritanopia

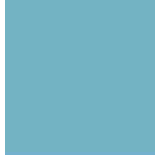
42.0135, 0.2202, 0.3046

Trichromacy



Original Color

42.1598, 0.2214, 0.3120



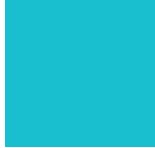
Protanomaly

39.8252, 0.2533, 0.3053



Deuteranomaly

39.6135, 0.2470, 0.2872



Tritanomaly

41.9245, 0.2202, 0.3060

Monochromacy



Original Color

42.1598, 0.2214, 0.3120



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.4186, 0.2574, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1598, 0.2214, 0.3120 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(20, 192, 203)` looks like.

```
.text, #text, p{  
    color:rgb(20, 192, 203)  
}
```

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(20, 192, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 192, 203) }
```

Border

The CSS property to change the border of an element to Yxy 42.1598, 0.2214, 0.3120 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(20, 192, 203) }
```

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

```
.border{ border-color:rgb(20, 192, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 192, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 192, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 192, 203);  
box-shadow:4px 4px 4px 4px rgb(20, 192,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1598, 0.2214, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 192, 203) }
```

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

```
.background{ background-color: rgb(20, 192,  
203) }
```

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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