

Converting Colors

$Yxy(20.3784, 0.1809, 0.2208)$

Have a look what the booklet for
Yxy(20.3784, 0.1809, 0.2208)
contains.

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Color

Yxy(21.3135, 0.1955, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	0087C4
RGB	0, 135, 196
RGB Percent	0%, 53%, 77%
CMY	0.9990, 0.4706, 0.2315
CMYK	1.00, 0.31, 0.00, 0.23
HSL	199°, 100%, 38%
HSV	199°, 100%, 77%
XYZ	18.6267, 21.3135, 55.3370
YIQ	101.5890, -100.0410, -9.6490

Conversions

Conversions Part 2

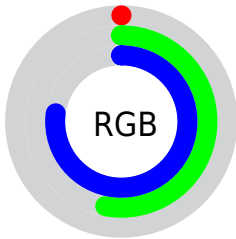
Format	Color
RYB	0, 80, 196
Decimal	34756
CIELab	53.29, -8.24, -40.14
CIELCh	53, 40.976, 258.397
Yxy	21.3135, 0.1955, 0.2237
Android (android.graphics.Color)	4278224836 (0xFF0087C4)
YUV	101.5890, 46.5446, -89.0936
Hunter-Lab	46.1665, -8.7726, -38.7507

Details

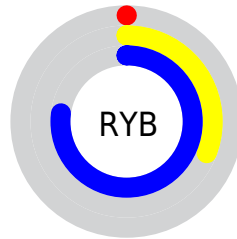
The Yxy color **21.3135, 0.1955, 0.2237** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **15.0922, 0.5937, 0.3667**, and the grayscale version is **13.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5997, 0.2187, 0.2454**, and **8.6086, 0.1881, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **21.2911, 0.1954, 0.2236**, and if you desaturate by 10%, it is **23.2123, 0.2006, 0.2353**.

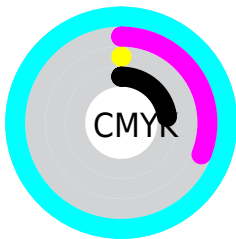
Distribution



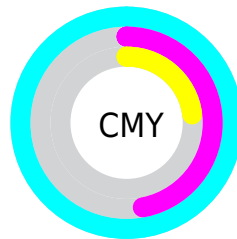
- Red (0%)
- Green (53%)
- Blue (77%)



- Red (0%)
- Yellow (31%)
- Blue (77%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3135, 0.1955, 0.2237 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 21.3135, 0.1955, 0.2237 by changing the saturation by 10% instead.

■ 21.3135, 0.1955,
0.2237

■ 21.3135, 0.1955,
0.2237

■ 258.9399, 0.2578,
0.2812

■ 13.3534, 0.1794,
0.2082

■ 45.6087, 0.2187,
0.2455

■ 7.6723, 0.1587,
0.1880

■ 62.7126, 0.2273,
0.2535

■ 3.8860, 0.1317,
0.1609

■ 83.6331, 0.2345,
0.2601

■ 1.6100, 0.0962,
0.1239

■ 108.7547, 0.2405,
0.2657

■ 0.3643, 0.0246,
0.0618

■ 138.4618, 0.2458,
0.2704

■ 0.0000, 0.0000,
0.0000

■ 173.1388, 0.2503,

0.2745

213.1700, 0.2543,
0.2781

■ 21.3135, 0.1955,
0.2237

■ 21.3135, 0.1955,
0.2237

■ 21.2911, 0.1954,
0.2236

■ 23.2123, 0.2006,
0.2353

■ 25.3571, 0.2074,
0.2471

■ 27.8007, 0.2162,
0.2590

■ 30.5714, 0.2269,
0.2707

■ 33.6931, 0.2392,
0.2820

■ 37.1871, 0.2527,
0.2929

■ 41.0726, 0.2672,
0.3031

■ 45.3673, 0.2823,
0.3126

■ 50.0875, 0.2976,
0.3212

Harmonies

Analogous

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



21.3135, 0.1842, 0.2582



21.3135, 0.1955, 0.2237



21.3135, 0.2339, 0.2167

Triad

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



21.3135, 0.1955, 0.2237



21.3135, 0.4364, 0.3180



21.3135, 0.3139, 0.4570

Complementary

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



21.3135, 0.1955, 0.2237



15.0922, 0.5937, 0.3667

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.



21.3135, 0.3842, 0.4616



21.3135, 0.1955, 0.2237



21.3135, 0.4603, 0.3728

Square

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



21.3135, 0.1955, 0.2237



21.3135, 0.3732, 0.2690



21.3135, 0.4388, 0.4255



21.3135, 0.2471, 0.4008

Rectangle

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



21.3135, 0.1955, 0.2237



21.3135, 0.2737, 0.2253



21.3135, 0.4388, 0.4255



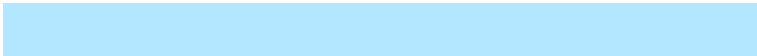
21.3135, 0.3379, 0.4644

Sweetspot

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



21.3142, 0.1955, 0.2237



73.9917, 0.2664, 0.3025



39.7822, 0.2889, 0.5600



15.1768, 0.2601, 0.2982



0.0000, 0.0000, 0.0000



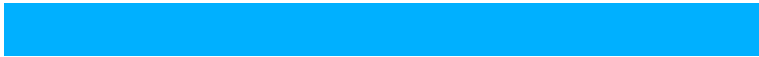
21.4041, 0.3127, 0.3290

Same Dimension

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



21.3142, 0.1955, 0.2237



38.1020, 0.1950, 0.2218



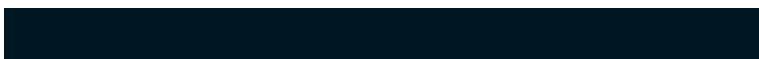
5.4625, 0.1554, 0.0793



10.8819, 0.2984, 0.3217



13.8445, 0.1959, 0.2252



0.7165, 0.2031, 0.2511

Inverse Universe

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



13.4861, 0.4193, 0.2084



24.3776, 0.4213, 0.2095



35.7862, 0.4598, 0.4730



10.1924, 0.3184, 0.3133



8.6798, 0.4177, 0.2075



0.3870, 0.3912, 0.1928

Previews

White Background



This preview shows how the Yxy color 21.3135, 0.1955, 0.2237 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 21.3135, 0.1955, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

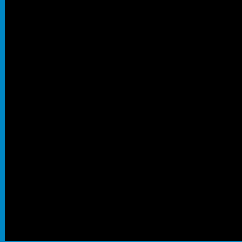
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3135, 0.1955, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 21.3135, 0.1955, 0.2237.



This preview shows how white text looks on a background with the Yxy color 21.3135, 0.1955, 0.2237.

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

21.3135, 0.1955, 0.2237

Protanopia

21.3193, 0.2379, 0.2280

Deuteranopia

21.3798, 0.2197, 0.2145



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.3135, 0.1955, 0.2237

Protanomaly

20.6472, 0.2126, 0.2248

Deuteranomaly

20.8663, 0.2048, 0.2164

Tritanomaly

21.2553, 0.2098, 0.2751

Monochromacy



Original Color

21.3135, 0.1955, 0.2237

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.9360, 0.2381, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3135, 0.1955, 0.2237 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(0, 135, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 196)  
}
```

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(0, 135, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 196) }
```

Border

The CSS property to change the border of an element to Yxy 21.3135, 0.1955, 0.2237 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(0, 135, 196) }
```

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

```
.border{ border-color:rgb(0, 135, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3135, 0.1955, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 196) }
```

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

```
.background{ background-color: rgb(0, 135,  
196) }
```

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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