

Converting Colors

$Yxy(28.6525, 0.1937, 0.2113)$

Have a look what the booklet for
Yxy(28.6525, 0.1937, 0.2113)
contains.

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Color

Yxy(28.7908, 0.1940, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	1799E8
RGB	23, 153, 232
RGB Percent	9%, 60%, 91%
CMY	0.9099, 0.4000, 0.0902
CMYK	0.90, 0.34, 0.00, 0.09
HSL	203°, 82%, 50%
HSV	203°, 90%, 91%
XYZ	26.3091, 28.7908, 80.5139
YIQ	123.1360, -102.8390, -2.9910

Conversions

Conversions Part 2

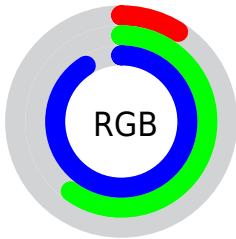
Format	Color
R _Y B	23, 103, 232
Decimal	1546728
CIE Lab	60.60, -4.30, -48.79
CIE LCh	61, 48.982, 264.962
Yxy	28.7908, 0.1940, 0.2123
Android (android.graphics.Color)	4279736808 (0xFF1799E8)
YUV	123.1360, 53.6700, -87.8193
Hunter-Lab	53.6571, -6.3779, -51.4063

Details

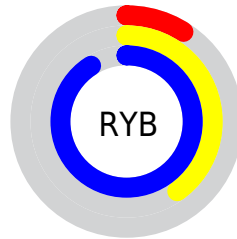
The Yxy color **28.7908, 0.1940, 0.2123** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **26.7158, 0.5546, 0.3880**, and the grayscale version is **19.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2252, 0.2289, 0.2695**, and **12.6373, 0.1849, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **25.8693, 0.1884, 0.1982**, and if you desaturate by 10%, it is **32.1715, 0.2016, 0.2269**.

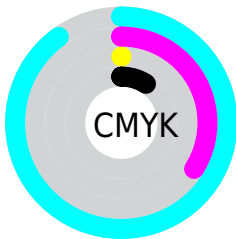
Distribution



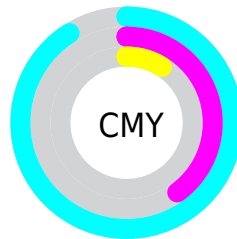
- Red (9%)
- Green (60%)
- Blue (91%)



- Red (9%)
- Yellow (40%)
- Blue (91%)



- Cyan (90%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)



- Cyan (91%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7908, 0.1940, 0.2123 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 28.7908, 0.1940, 0.2123 by changing the saturation by 10% instead.

 28.7908, 0.1940,
0.2123


 28.7908, 0.1940,
0.2123


296.2266, 0.2539,
0.2720

 18.9226, 0.1796,
0.1977


 57.7445, 0.2155,
0.2339

 11.6144, 0.1616,
0.1793


 77.5989, 0.2237,
0.2421

 6.4817, 0.1389,
0.1560


 101.5508, 0.2306,
0.2490

 3.1401, 0.1101,
0.1258

 129.9845, 0.2366,
0.2549

 1.2053, 0.0742,
0.0875

 163.2846, 0.2418,
0.2601

 0.0660, 0.0000,
0.0104

201.8354, 0.2463,

 0.0000, 0.0000,

0.2645

0.0000

246.0213, 0.2503,
0.2685

■ 28.7908, 0.1940,
0.2123

■ 28.7908, 0.1940,
0.2123

■ 25.8693, 0.1884,
0.1982

■ 32.1715, 0.2016,
0.2269

■ 36.0576, 0.2112,
0.2416

■ 40.4953, 0.2229,
0.2563

■ 45.5232, 0.2361,
0.2705

■ 51.1753, 0.2506,
0.2841

■ 57.4828, 0.2658,
0.2968

■ 64.4739, 0.2814,
0.3085

■ 72.1753, 0.2971,
0.3192

■ 80.6118, 0.3126,
0.3289

Harmonies

Analogous

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



28.7908, 0.1758, 0.2415



28.7908, 0.1940, 0.2123



28.7908, 0.2407, 0.2110

Triad

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



28.7908, 0.1940, 0.2123



28.7908, 0.4563, 0.3288



28.7908, 0.2963, 0.4597

Complementary

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



28.7908, 0.1940, 0.2123



26.7158, 0.5546, 0.3880

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.



28.7908, 0.3726, 0.4759



28.7908, 0.1940, 0.2123



28.7908, 0.4704, 0.3873

Square

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



28.7908, 0.1940, 0.2123



28.7908, 0.3953, 0.2750



28.7908, 0.4370, 0.4423



28.7908, 0.2285, 0.3885

Rectangle

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



28.7908, 0.1940, 0.2123



28.7908, 0.2866, 0.2236



28.7908, 0.4370, 0.4423



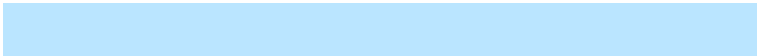
28.7908, 0.3218, 0.4720

Sweetspot

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



28.7917, 0.1940, 0.2123



73.7049, 0.2704, 0.3004



58.8080, 0.2813, 0.5253



15.1632, 0.2651, 0.2962



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.



28.7917, 0.1940, 0.2123



31.8877, 0.1882, 0.1975



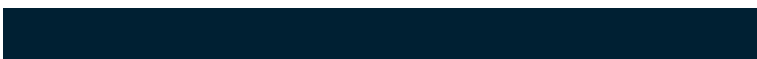
8.3627, 0.1585, 0.0823



15.3731, 0.2981, 0.3199



14.6116, 0.1890, 0.2005



1.2573, 0.1948, 0.2213

Inverse Universe

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



20.0679, 0.4306, 0.2197



23.7502, 0.4481, 0.2242



60.4655, 0.4401, 0.4833



14.5180, 0.3196, 0.3145



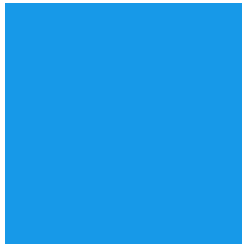
10.6728, 0.4447, 0.2223



0.8066, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 28.7908, 0.1940, 0.2123 looks on a white background.

Color Contrast Check

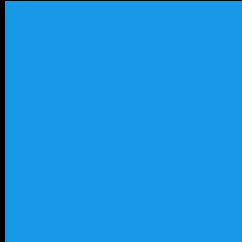
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7908, 0.1940, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

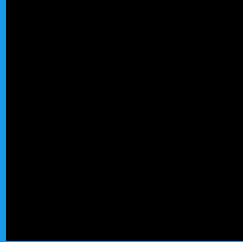
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

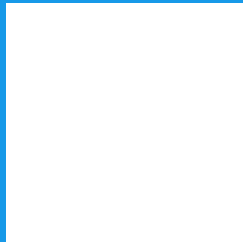
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7908, 0.1940, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 28.7908, 0.1940, 0.2123.



This preview shows how white text looks on a background with the Yxy color 28.7908, 0.1940, 0.2123.

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

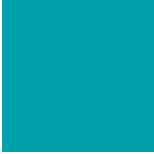
28.7908, 0.1940, 0.2123

Protanopia

28.3867, 0.2283, 0.2146

Deuteranopia

28.8254, 0.2113, 0.2054



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.7908, 0.1940, 0.2123

Protanomaly

27.8426, 0.2095, 0.2122

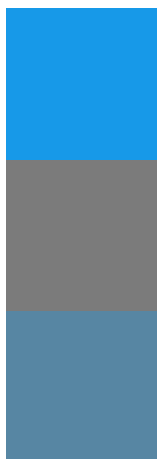
Deuteranomaly

28.6070, 0.2023, 0.2079

Tritanomaly

28.4004, 0.2085, 0.2684

Monochromacy



Original Color

28.7908, 0.1940, 0.2123

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.7208, 0.2425, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7908, 0.1940, 0.2123 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(23, 153, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 153, 232)  
}
```

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(23, 153, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 153, 232) }
```

Border

The CSS property to change the border of an element to Yxy 28.7908, 0.1940, 0.2123 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(23, 153, 232) }
```

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

```
.border{ border-color:rgb(23, 153, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 153, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 153,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7908, 0.1940, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 153, 232) }
```

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

```
.background{ background-color: rgb(23, 153,  
232) }
```

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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