

Converting Colors

$Yxy(28.1527, 0.1931, 0.2090)$

Have a look what the booklet for
Yxy(28.1527, 0.1931, 0.2090)
contains.

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Color

$\text{Yxy}(28.1416, 0.1932, 0.2092)$

Conversions

Conversions Part 1

Format	Color
Hex	1797E8
RGB	23, 151, 232
RGB Percent	9%, 59%, 91%
CMY	0.9082, 0.4079, 0.0903
CMYK	0.90, 0.35, 0.00, 0.09
HSL	203°, 82%, 50%
HSV	203°, 90%, 91%
XYZ	25.9893, 28.1416, 80.3892
YIQ	121.9620, -102.2890, -1.9450

Conversions

Conversions Part 2

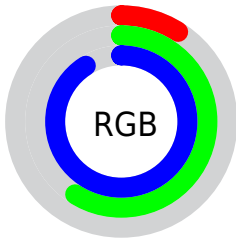
Format	Color
R_{YB}	23, 102, 232
Decimal	1546216
CIE _{Lab}	60.02, -3.13, -49.70
CIE _{LCh}	60, 49.798, 266.400
Yxy	28.1416, 0.1932, 0.2092
Android (android.graphics.Color)	4279736296 (0xFF1797E8)
YUV	121.9620, 54.2487, -86.7897
Hunter-Lab	53.0487, -5.3855, -52.7132

Details

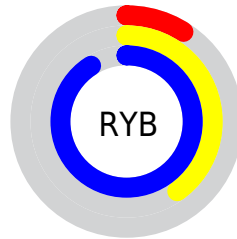
The Yxy color **28.1416, 0.1932, 0.2092** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **27.1955, 0.5514, 0.3903**, and the grayscale version is **19.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2622, 0.2284, 0.2669**, and **12.4420, 0.1844, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **25.1676, 0.1874, 0.1946**, and if you desaturate by 10%, it is **31.5612, 0.2009, 0.2242**.

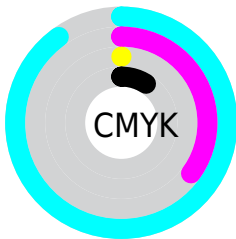
Distribution



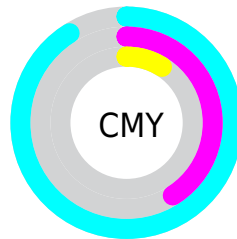
- Red (9%)
- Green (59%)
- Blue (91%)



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



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (91%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1416, 0.1932, 0.2092 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 28.1416, 0.1932, 0.2092 by changing the saturation by 10% instead.


 28.1416, 0.1932,
0.2092


 28.1416, 0.1932,
0.2092


293.1429, 0.2537,
0.2704

 18.4324, 0.1786,
0.1942


 56.7104, 0.2149,
0.2313


 11.2609, 0.1604,
0.1755


 76.3389, 0.2232,
0.2397


 6.2426, 0.1375,
0.1517


 100.0425, 0.2302,
0.2468

 2.9932, 0.1084,
0.1212

 128.2058, 0.2362,
0.2529

 1.1282, 0.0723,
0.0828

 161.2131, 0.2415,
0.2582

 0.0018, 0.0000,
0.0003

199.4488, 0.2460,

 0.0000, 0.0000,

0.2628

0.0000

243.2973, 0.2501,
0.2668

■ 28.1416, 0.1932,
0.2092

■ 28.1416, 0.1932,
0.2092

■ 25.1676, 0.1874,
0.1946

■ 31.5612, 0.2009,
0.2242

■ 25.1422, 0.1874,
0.1945

■ 35.4981, 0.2108,
0.2394

■ 39.9985, 0.2226,
0.2544

■ 45.1013, 0.2361,
0.2691

■ 50.8410, 0.2506,
0.2830

■ 57.2488, 0.2660,
0.2961

■ 64.3533, 0.2817,
0.3082

■ 72.1815, 0.2974,
0.3192

■ 80.7585, 0.3129,
0.3291

Harmonies

Analogous

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



28.1416, 0.1733, 0.2373



28.1416, 0.1932, 0.2092



28.1416, 0.2420, 0.2093

Triad

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



28.1416, 0.1932, 0.2092



28.1416, 0.4617, 0.3313



28.1416, 0.2919, 0.4609

Complementary

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



28.1416, 0.1932, 0.2092



27.1955, 0.5514, 0.3903

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.



28.1416, 0.3699, 0.4801



28.1416, 0.1932, 0.2092



28.1416, 0.4733, 0.3908

Square

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



28.1416, 0.1932, 0.2092



28.1416, 0.4010, 0.2762



28.1416, 0.4369, 0.4467



28.1416, 0.2238, 0.3857

Rectangle

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



28.1416, 0.1932, 0.2092



28.1416, 0.2896, 0.2228



28.1416, 0.4369, 0.4467



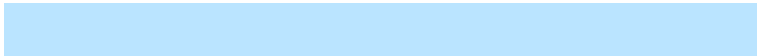
28.1416, 0.3179, 0.4745

Sweetspot

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



28.1425, 0.1932, 0.2092



73.3113, 0.2703, 0.2996



58.8745, 0.2799, 0.5202



15.0702, 0.2649, 0.2953



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.



28.1425, 0.1932, 0.2092



30.9922, 0.1872, 0.1938



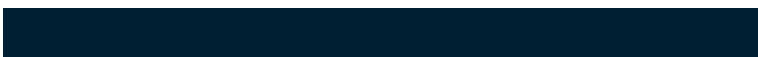
8.1046, 0.1579, 0.0801



15.3474, 0.2981, 0.3197



14.2124, 0.1880, 0.1969



1.2293, 0.1940, 0.2182

Inverse Universe

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



20.0153, 0.4340, 0.2218



23.6598, 0.4524, 0.2266



62.1544, 0.4369, 0.4858



14.5154, 0.3197, 0.3147



10.6325, 0.4489, 0.2246



0.8038, 0.4252, 0.2116

Previews

White Background



This preview shows how the Yxy color 28.1416, 0.1932, 0.2092 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 28.1416, 0.1932, 0.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

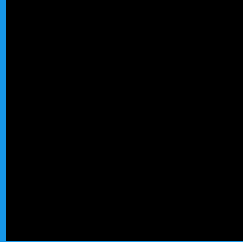
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

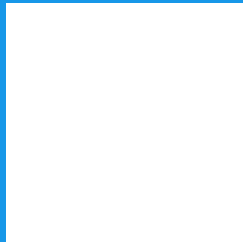
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1416, 0.1932, 0.2092

Background



This preview shows how black text looks on a background with the Yxy color 28.1416, 0.1932, 0.2092.

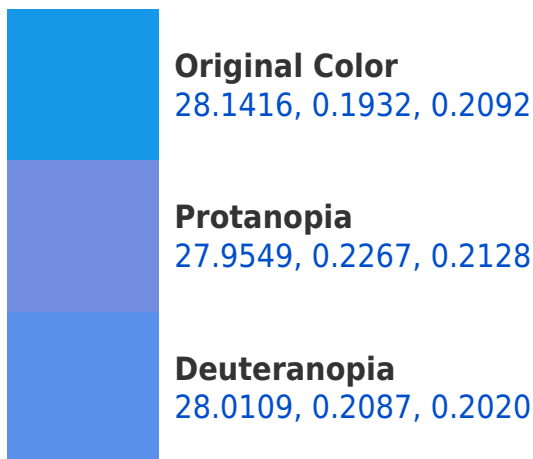


This preview shows how white text looks on a background with the Yxy color 28.1416, 0.1932, 0.2092.

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





Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

28.1416, 0.1932, 0.2092

Protanomaly

27.4911, 0.2087, 0.2106

Deuteranomaly

27.8744, 0.2006, 0.2046

Tritanomaly

28.0223, 0.2085, 0.2681

Monochromacy



Original Color

28.1416, 0.1932, 0.2092

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.3621, 0.2421, 0.2759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1416, 0.1932, 0.2092 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, 151, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 151, 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, 151, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 151, 232) }
```

Border

The CSS property to change the border of an element to Yxy 28.1416, 0.1932, 0.2092 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, 151, 232) }
```

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

```
.border{ border-color:rgb(23, 151, 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, 151, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 151, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 151, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 151,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1416, 0.1932, 0.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 151, 232) }
```

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

```
.background{ background-color: rgb(23, 151,  
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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