

Converting Colors

$Yxy(23.4188, 0.1714, 0.1600)$

Have a look what the booklet for
Yxy(23.4188, 0.1714, 0.1600)
contains.

Yxy(24.2702, 0.1787, 0.1632)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2702, 0.1787, 0.1632)

Conversions

Conversions Part 1

Format	Color
Hex	0086FF
RGB	0, 134, 255
RGB Percent	0%, 53%, 100%
CMY	0.9982, 0.4745, 0.0001
CMYK	1.00, 0.47, 0.00, 0.00
HSL	209°, 100%, 50%
HSV	209°, 100%, 100%
XYZ	26.5753, 24.2702, 97.8690
YIQ	107.7280, -118.7050, 9.2230

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 88, 255
Decimal	34559
CIE Lab	56.36, 15.07, -68.26
CIE LCh	56, 69.904, 282.447
Yxy	24.2702, 0.1787, 0.1632
Android (android.graphics.Color)	4278224639 (0xFF0086FF)
YUV	107.7280, 72.6051, -94.4775
Hunter-Lab	49.2648, 10.0762, -83.2996

Details

The Yxy color **24.2702, 0.1787, 0.1632** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **35.0390, 0.5506, 0.4009**, and the grayscale version is **14.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7826, 0.2234, 0.2419**, and **10.6868, 0.1713, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **24.2064, 0.1786, 0.1629**, and if you desaturate by 10%, it is **28.0315, 0.1853, 0.1805**.

Distribution



- Red (0%)
- Green (53%)
- Blue (100%)



- Red (0%)
- Yellow (35%)
- Blue (100%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2702, 0.1787, 0.1632 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 24.2702, 0.1787, 0.1632 by changing the saturation by 10% instead.

■ 24.2702, 0.1787,
0.1632

■ 24.2702, 0.1787,
0.1632

274.1837, 0.2466,
0.2434

■ 15.5342, 0.1628,
0.1454

■ 50.4708, 0.2029,
0.1909

■ 9.1951, 0.1433,
0.1242

■ 68.7041, 0.2121,
0.2018

■ 4.8687, 0.1195,
0.0991

■ 90.8720, 0.2201,
0.2112

■ 2.1704, 0.0906,
0.0701

■ 117.3588, 0.2269,
0.2193

■ 0.7038, 0.0574,
0.0384

■ 148.5490, 0.2328,
0.2265

■ 0.0000, 0.0000,
0.0000

184.8270, 0.2380,

0.2328

226.5771, 0.2425,
0.2384

■ 24.2702, 0.1787,
0.1632

■ 24.2702, 0.1787,
0.1632

■ 24.2064, 0.1786,
0.1629

■ 28.0315, 0.1853,
0.1805

■ 32.4690, 0.1941,
0.1988

■ 37.6780, 0.2052,
0.2175

■ 43.7215, 0.2184,
0.2363

■ 50.6538, 0.2331,
0.2546

■ 58.5233, 0.2488,
0.2721

■ 67.3739, 0.2650,
0.2884

■ 77.2464, 0.2814,
0.3034

■ 88.1790, 0.2974,
0.3170

Harmonies

Analogous

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



24.2702, 0.1351, 0.1754



24.2702, 0.1787, 0.1632



24.2702, 0.2625, 0.1810

Triad

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



24.2702, 0.1787, 0.1632



24.2702, 0.5438, 0.3615



24.2702, 0.2214, 0.4792

Complementary

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



24.2702, 0.1787, 0.1632



35.0390, 0.5506, 0.4009

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.



24.2702, 0.3227, 0.5553



24.2702, 0.1787, 0.1632



24.2702, 0.5103, 0.4412

Square

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



24.2702, 0.1787, 0.1632



24.2702, 0.4973, 0.2889



24.2702, 0.4266, 0.5207



24.2702, 0.1517, 0.3349

Rectangle

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



24.2702, 0.1787, 0.1632



24.2702, 0.3403, 0.2079



24.2702, 0.4266, 0.5207



24.2702, 0.2531, 0.5177

Sweetspot

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



24.2709, 0.1787, 0.1632



67.2179, 0.2647, 0.2881



72.8439, 0.2764, 0.5149



13.5640, 0.2578, 0.2814



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.



24.2709, 0.1787, 0.1632



24.2119, 0.1786, 0.1629



7.4157, 0.1505, 0.0615



18.9551, 0.2979, 0.3174



12.9526, 0.1794, 0.1657



1.4800, 0.1849, 0.1856

Inverse Universe

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



22.9864, 0.4891, 0.2469



22.9753, 0.4895, 0.2470



87.4663, 0.4253, 0.5004



18.1463, 0.3212, 0.3166



12.0355, 0.4860, 0.2451



1.1940, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 24.2702, 0.1787, 0.1632 looks on a white background.

Color Contrast Check

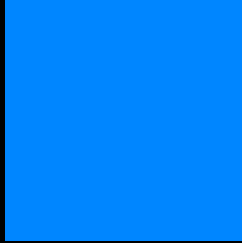
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2702, 0.1787, 0.1632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

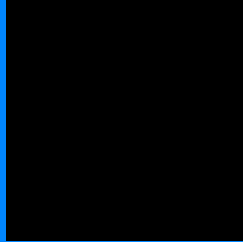
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

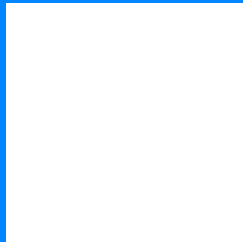
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2702, 0.1787, 0.1632

Background



This preview shows how black text looks on a background with the Yxy color 24.2702, 0.1787, 0.1632.



This preview shows how white text looks on a background with the Yxy color 24.2702, 0.1787, 0.1632.

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

24.2702, 0.1787, 0.1632

Protanopia

24.2324, 0.1904, 0.1653

Deuteranopia

24.1826, 0.1832, 0.1796



Tritanopia

23.9981, 0.2193, 0.3095

Trichromacy



Original Color

24.2702, 0.1787, 0.1632

Protanomaly

23.8188, 0.1835, 0.1633

Deuteranomaly

24.2009, 0.1816, 0.1738

Tritanomaly

23.8416, 0.2008, 0.2429

Monochromacy



Original Color

24.2702, 0.1787, 0.1632

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.5610, 0.2245, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2702, 0.1787, 0.1632 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, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 255)  
}
```

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, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.2702, 0.1787, 0.1632 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, 134, 255) }
```

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

```
.border{ border-color:rgb(0, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2702, 0.1787, 0.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 255) }
```

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

```
.background{ background-color: rgb(0, 134,  
255) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor