

Converting Colors

$Yxy(14.1643, 0.1796, 0.1453)$

Have a look what the booklet for
Yxy(14.1643, 0.1796, 0.1453)
contains.

Yxy(14.0928, 0.1792, 0.1443)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.0928, 0.1792, 0.1443)

Conversions

Conversions Part 1

Format	Color
Hex	2862D7
RGB	40, 98, 215
RGB Percent	16%, 38%, 84%
CMY	0.8437, 0.6156, 0.1570
CMYK	0.81, 0.54, 0.00, 0.16
HSL	220°, 69%, 50%
HSV	220°, 81%, 84%
XYZ	17.5012, 14.0928, 66.0692
YIQ	93.9960, -72.1250, 24.0910

Conversions

Conversions Part 2

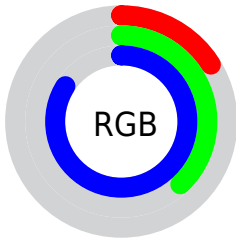
Format	Color
R _Y B	40, 84, 215
Decimal	2646743
CIE Lab	44.37, 24.26, -65.24
CIE LCh	44, 69.605, 290.396
Yxy	14.0928, 0.1792, 0.1443
Android (android.graphics.Color)	4280836823 (0xFF2862D7)
YUV	93.9960, 59.6550, -47.3545
Hunter-Lab	37.5404, 17.5207, -78.0691

Details

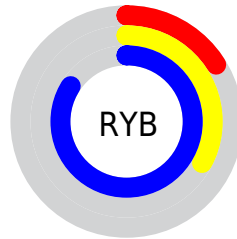
The Yxy color **14.0928, 0.1792, 0.1443** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **38.6455, 0.4679, 0.4473**, and the grayscale version is **11.0545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9772, 0.2137, 0.1921**, and **5.0494, 0.1639, 0.1099** is the 20% darker color. If you saturate the color by 10%, you get **11.3261, 0.1691, 0.1223**, and if you desaturate by 10%, it is **17.5811, 0.1923, 0.1687**.

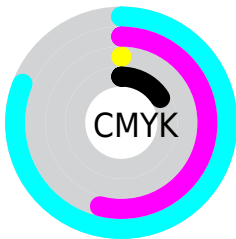
Distribution



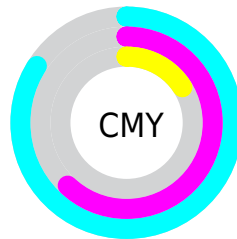
- Red (16%)
- Green (38%)
- Blue (84%)



- Red (16%)
- Yellow (33%)
- Blue (84%)



- Cyan (81%)
- Magenta (54%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.0928, 0.1792, 0.1443 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 14.0928, 0.1792, 0.1443 by changing the saturation by 10% instead.

■ 14.0928, 0.1792,
0.1443

■ 14.0928, 0.1792,
0.1443

■ 217.8074, 0.2529,
0.2383

■ 8.1852, 0.1602,
0.1226

■ 33.2536, 0.2069,
0.1776

■ 4.2137, 0.1362,
0.0969

■ 47.2756, 0.2171,
0.1905

■ 1.7938, 0.1061,
0.0670

■ 64.7713, 0.2256,
0.2015

■ 0.4833, 0.0699,
0.0316

■ 86.1249, 0.2328,
0.2110

■ 0.0000, 0.0000,
0.0000

■ 111.7209, 0.2389,
0.2192

141.9438, 0.2442,

0.2264

177.1778, 0.2488,
0.2327

■ 14.0928, 0.1792,
0.1443

■ 14.0928, 0.1792,
0.1443

■ 11.3261, 0.1691,
0.1223

■ 17.5811, 0.1923,
0.1687

■ 9.4626, 0.1628,
0.1059

■ 21.8487, 0.2078,
0.1942

■ 26.9472, 0.2249,
0.2199

■ 32.9230, 0.2427,
0.2448

■ 39.8185, 0.2607,
0.2683

■ 47.6734, 0.2782,
0.2898

■ 56.5247, 0.2949,
0.3093

■ 66.4073, 0.3105,
0.3266

■ 77.3544, 0.3250,
0.3420

Harmonies

Analogous

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



14.0928, 0.1218, 0.1470



14.0928, 0.1792, 0.1443



14.0928, 0.2862, 0.1716

Triad

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



14.0928, 0.1792, 0.1443



14.0928, 0.5756, 0.3776



14.0928, 0.1770, 0.4667

Complementary

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



14.0928, 0.1792, 0.1443



38.6455, 0.4679, 0.4473

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.



14.0928, 0.2829, 0.5948



14.0928, 0.1792, 0.1443



14.0928, 0.5105, 0.4711

Square

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



14.0928, 0.1792, 0.1443



14.0928, 0.5550, 0.2984



14.0928, 0.4016, 0.5667



14.0928, 0.1162, 0.2906

Rectangle

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



14.0928, 0.1792, 0.1443



14.0928, 0.3835, 0.2056



14.0928, 0.4016, 0.5667



14.0928, 0.2087, 0.5247

Sweetspot

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



14.0932, 0.1792, 0.1443



66.8203, 0.2734, 0.2840



51.4563, 0.2544, 0.4194



13.4074, 0.2671, 0.2763



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.



14.0932, 0.1792, 0.1443



14.2491, 0.1636, 0.1079



7.6802, 0.1757, 0.0872



12.6759, 0.2982, 0.3130



5.8358, 0.1635, 0.1086



0.5019, 0.1733, 0.1438

Inverse Universe

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



16.8336, 0.5079, 0.2760



22.0770, 0.5637, 0.2890



59.1519, 0.3900, 0.5140



12.4882, 0.3239, 0.3213



8.9340, 0.5631, 0.2876



0.5540, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 14.0928, 0.1792, 0.1443 looks on a white 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

Black Background



This preview shows how the Yxy color 14.0928, 0.1792, 0.1443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

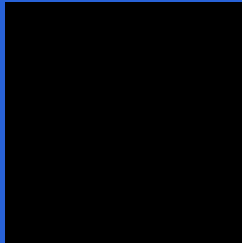
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0928, 0.1792, 0.1443

Background



This preview shows how black text looks on a background with the Yxy color 14.0928, 0.1792, 0.1443.



This preview shows how white text looks on a background with the Yxy color 14.0928, 0.1792, 0.1443.

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

14.0928, 0.1792, 0.1443

Protanopia

13.9694, 0.1737, 0.1454

Deuteranopia

13.9761, 0.1850, 0.1859



Tritanopia

13.9208, 0.2199, 0.3118

Trichromacy



Original Color

14.0928, 0.1792, 0.1443

Protanomaly

13.8721, 0.1747, 0.1444

Deuteranomaly

13.9341, 0.1817, 0.1690

Tritanomaly

13.4309, 0.1991, 0.2295

Monochromacy



Original Color

14.0928, 0.1792, 0.1443

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4752, 0.2365, 0.2360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0928, 0.1792, 0.1443 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(40, 98, 215)` looks like.

```
.text, #text, p{  
    color:rgb(40, 98, 215)  
}
```

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(40, 98, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 98, 215) }
```

Border

The CSS property to change the border of an element to Yxy 14.0928, 0.1792, 0.1443 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(40, 98, 215) }
```

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

```
.border{ border-color:rgb(40, 98, 215) }
```

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

Here you see how a box with a 4 pixel rgb(40, 98, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 98, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 98, 215);  
box-shadow:4px 4px 4px 4px rgb(40, 98,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0928, 0.1792, 0.1443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 98, 215) }
```

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

```
.background{ background-color: rgb(40, 98,  
215) }
```

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