

Converting Colors

$Y_{xy}(14.3650, 0.1942, 0.1978)$

Have a look what the booklet for
Yxy(14.3650, 0.1942, 0.1978)
contains.

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Color

$Y_{xy}(14.2796, 0.1940, 0.1970)$

Conversions

Conversions Part 1

Format	Color
Hex	226CB2
RGB	34, 108, 178
RGB Percent	13%, 42%, 70%
CMY	0.8662, 0.5765, 0.3019
CMYK	0.81, 0.39, 0.00, 0.30
HSL	209°, 68%, 42%
HSV	209°, 81%, 70%
XYZ	14.0621, 14.2796, 44.1435
YIQ	93.8540, -66.5740, 6.0820

Conversions

Conversions Part 2

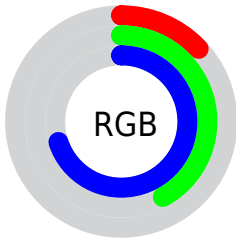
Format	Color
R_{YB}	34, 83, 178
Decimal	2256050
CIE _{Lab}	44.63, 3.11, -43.49
CIE _{LCh}	45, 43.598, 274.086
Yxy	14.2796, 0.1940, 0.1970
Android (android.graphics.Color)	4280446130 (0xFF226CB2)
YUV	93.8540, 41.4840, -52.4920
Hunter-Lab	37.7884, 0.2954, -42.8094

Details

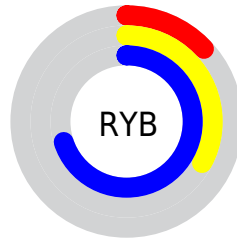
The Yxy color **14.2796, 0.1940, 0.1970** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.5137, 0.5007, 0.4136**, and the grayscale version is **11.0771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5616, 0.2198, 0.2254**, and **4.8182, 0.1776, 0.1593** is the 20% darker color. If you saturate the color by 10%, you get **12.3136, 0.1851, 0.1787**, and if you desaturate by 10%, it is **16.5848, 0.2052, 0.2158**.

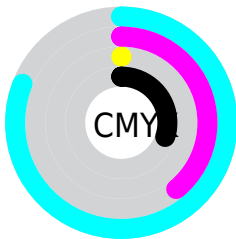
Distribution



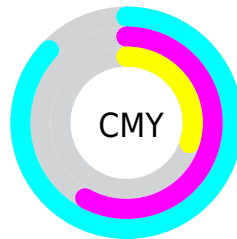
- Red (13%)
- Green (42%)
- Blue (70%)



- Red (13%)
- Yellow (33%)
- Blue (70%)



- Cyan (81%)
- Magenta (39%)
- Yellow (0%)
- Black (30%)



- Cyan (87%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2796, 0.1940, 0.1970 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 14.2796, 0.1940, 0.1970 by changing the saturation by 10% instead.

■ 14.2796, 0.1940,
0.1970

■ 14.2796, 0.1940,
0.1970

■ 218.9634, 0.2608,
0.2705

■ 8.3154, 0.1754,
0.1769

■ 33.5843, 0.2199,
0.2252

■ 4.2974, 0.1509,
0.1507

■ 47.6936, 0.2291,
0.2354

■ 1.8413, 0.1182,
0.1160

■ 65.2867, 0.2368,
0.2438

■ 0.5127, 0.0722,
0.0657

■ 86.7481, 0.2432,
0.2509

■ 0.0000, 0.0000,
0.0000

■ 112.4620, 0.2486,
0.2569

■ 142.8129, 0.2533,

0.2621

178.1852, 0.2573,
0.2666

■ 14.2796, 0.1940,
0.1970

■ 14.2796, 0.1940,
0.1970

■ 12.3136, 0.1851,
0.1787

■ 16.5848, 0.2052,
0.2158

■ 10.7632, 0.1785,
0.1627

■ 19.2542, 0.2183,
0.2346

■ 22.3111, 0.2329,
0.2530

■ 25.7759, 0.2484,
0.2705

■ 29.6672, 0.2644,
0.2869

■ 34.0025, 0.2804,
0.3020

■ 38.7979, 0.2962,
0.3157

■ 44.0687, 0.3115,
0.3280

■ 49.8293, 0.3261,
0.3390

Harmonies

Analogous

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



14.2796, 0.1651, 0.2179



14.2796, 0.1940, 0.1970



14.2796, 0.2539, 0.2043

Triad

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



14.2796, 0.1940, 0.1970



14.2796, 0.4847, 0.3459



14.2796, 0.2678, 0.4589

Complementary

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



14.2796, 0.1940, 0.1970



19.5137, 0.5007, 0.4136

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.



14.2796, 0.3517, 0.4967



14.2796, 0.1940, 0.1970



14.2796, 0.4812, 0.4099

Square

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



14.2796, 0.1940, 0.1970



14.2796, 0.4306, 0.2855



14.2796, 0.4297, 0.4686



14.2796, 0.2010, 0.3650

Rectangle

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



14.2796, 0.1940, 0.1970



14.2796, 0.3096, 0.2227



14.2796, 0.4297, 0.4686



14.2796, 0.2950, 0.4798

Sweetspot

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



14.2800, 0.1940, 0.1970



58.7384, 0.2747, 0.2967



33.1827, 0.2699, 0.4696



12.4013, 0.2690, 0.2914



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



14.2800, 0.1940, 0.1970



19.9186, 0.1797, 0.1650



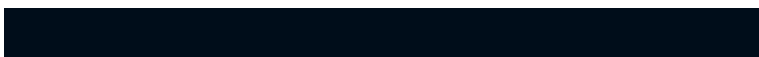
4.8505, 0.1647, 0.0854



8.9274, 0.2985, 0.3176



7.8260, 0.1791, 0.1646



0.3625, 0.1929, 0.2146

Inverse Universe

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



11.7005, 0.4449, 0.2405



18.7331, 0.4864, 0.2468



40.4848, 0.4153, 0.4929



8.5757, 0.3209, 0.3174



7.3302, 0.4873, 0.2458



0.2424, 0.4291, 0.2138

Previews

White Background



This preview shows how the Yxy color 14.2796, 0.1940, 0.1970 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 14.2796, 0.1940, 0.1970 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 14.2796, 0.1940, 0.1970

Background



This preview shows how black text looks on a background with the Yxy color 14.2796, 0.1940, 0.1970.



This preview shows how white text looks on a background with the Yxy color 14.2796, 0.1940, 0.1970.

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

14.2796, 0.1940, 0.1970

Protanopia

14.2954, 0.2170, 0.2007

Deuteranopia

14.2928, 0.1997, 0.1941



Tritanopia

14.2032, 0.2193, 0.3096

Trichromacy



Original Color

14.2796, 0.1940, 0.1970

Protanomaly

14.1904, 0.2060, 0.1987

Deuteranomaly

14.3280, 0.1971, 0.1951

Tritanomaly

14.1264, 0.2080, 0.2623

Monochromacy



Original Color

14.2796, 0.1940, 0.1970

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7821, 0.2478, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2796, 0.1940, 0.1970 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(34, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(34, 108, 178)  
}
```

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(34, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 108, 178) }
```

Border

The CSS property to change the border of an element to Yxy 14.2796, 0.1940, 0.1970 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(34, 108, 178) }
```

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

```
.border{ border-color:rgb(34, 108, 178) }
```

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

Here you see how a box with a 4 pixel rgb(34, 108, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 108, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 108, 178);  
box-shadow:4px 4px 4px 4px rgb(34, 108,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2796, 0.1940, 0.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 108, 178) }
```

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

```
.background{ background-color: rgb(34, 108,  
178) }
```

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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