

Converting Colors

XYZ(13.9200, 12.8885, 22.0040)

Have a look what the booklet for
XYZ(13.9200, 12.8885, 22.0040)
contains.

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Color

**XYZ(14.0230, 12.9884,
22.1900)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6080
RGB	106, 96, 128
RGB Percent	42%, 38%, 50%
CMY	0.5843, 0.6235, 0.4980
CMYK	0.17, 0.25, 0.00, 0.50
HSL	259°, 14%, 44%
HSV	259°, 25%, 50%
XYZ	14.0230, 12.9884, 22.1900
YIQ	102.6380, -4.3120, 12.0720

Conversions

Conversions Part 2

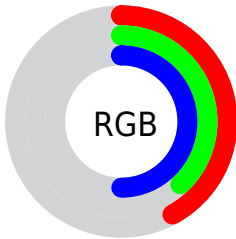
Format	Color
R_{YB}	106, 96, 128
Decimal	6971520
CIE _{Lab}	42.75, 10.99, -16.41
CIE _{LCh}	43, 19.750, 303.806
Yxy	12.9884, 0.2850, 0.2640
Android (android.graphics.Color)	4285161600 (0xFF6A6080)
YUV	102.6380, 12.5035, 2.9485
Hunter-Lab	36.0394, 6.3857, -11.2781

Details

The XYZ color **14.0230, 12.9884, 22.1900** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.3021, 20.1347, 14.0413**, and the grayscale version is **12.7659, 13.4307, 14.6260**.

A 20% lighter version of the original color is **32.8748, 31.4727, 48.0582**, and **4.2968, 3.7453, 7.8936** is the 20% darker color. If you saturate the color by 10%, you get **11.9563, 10.3285, 21.7857**, and if you desaturate by 10%, it is **16.3881, 16.0851, 22.6633**.

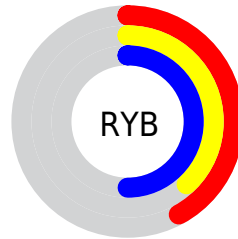
Distribution



Red (42%)

Green (38%)

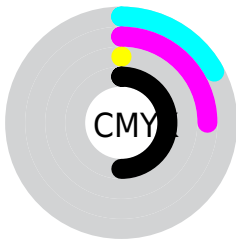
Blue (50%)



Red (42%)

Yellow (38%)

Blue (50%)

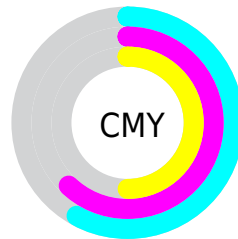


Cyan (17%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (58%)

Magenta (62%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0230, 12.9884, 22.1900 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 XYZ color 14.0230, 12.9884, 22.1900 by changing the saturation by 10% instead.

■ 14.0230, 12.9884,
22.1900

■ 14.0230, 12.9884,
22.1900

210.8816,
210.8433, 276.5227

■ 8.2185, 7.4206,
13.7969

■ 32.7158, 31.2829,
47.9660

■ 4.2880, 3.7265,
7.8424

■ 46.3347, 44.7784,
66.1861

■ 1.8663, 1.5218,
3.9080

■ 63.2892, 61.6853,
88.5189

■ 0.5572, 0.3040,
1.5750

■ 83.9445, 82.3878,
115.3829

■ 0.0000, 0.0000,
0.2729

108.6660,
107.2705, 147.1968

■ 0.0000, 0.0000,
0.0000

137.8192,

136.7177, 184.3790

171.7692,
171.1139, 227.3481

■ 14.0230, 12.9884,
22.1900

■ 14.0230, 12.9884,
22.1900

■ 11.9563, 10.3285,
21.7857

■ 16.3881, 16.0851,
22.6633

■ 10.1743, 8.0837,
21.4463

■ 19.0619, 19.6356,
23.2077

■ 8.6640, 6.2328,
21.1687

■ 22.0559, 23.6582,
23.8263

■ 7.4111, 4.7523,
20.9490

■ 25.3805, 28.1695,
24.5218

■ 6.3995, 3.6158,
20.7829

■ 29.0457, 33.1853,
25.2968

■ 5.6114, 2.7935,
20.6657

■ 33.0610, 38.7208,
26.1536

■ 5.0218, 2.2419,
20.5903

■ 37.4356, 44.7905,
27.0946

■ 4.7713, 2.0096,
20.5587

■ 42.1784, 51.4082,
28.1220

■ 47.2976, 58.5875,
29.2380

Harmonies

Analogous

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



12.5378, 12.9884, 24.1067



14.0230, 12.9884, 22.1900



15.1227, 12.9884, 18.1171

Triad

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



14.0230, 12.9884, 22.1900



13.6645, 12.9884, 7.9421



9.6814, 12.9884, 14.6985

Complementary

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



14.0230, 12.9884, 22.1900



17.3021, 20.1347, 14.0413

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.



9.9303, 12.9884, 10.7958



14.0230, 12.9884, 22.1900



12.1543, 12.9884, 7.3895

Square

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



14.0230, 12.9884, 22.1900



14.9042, 12.9884, 10.0207



10.8067, 12.9884, 8.3218



10.0971, 12.9884, 19.2624

Rectangle

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



14.0230, 12.9884, 22.1900



15.4452, 12.9884, 15.0536



10.8067, 12.9884, 8.3218



9.6903, 12.9884, 13.2682

Sweetspot

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



14.0234, 12.9889, 22.1903



32.4959, 33.1500, 40.6422



15.2462, 17.0970, 22.9188



7.5574, 7.6936, 9.5050



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.0234, 12.9889, 22.1903



22.5559, 20.1110, 38.6493



16.0490, 14.0332, 22.2851



4.2255, 4.2719, 5.4151



4.7324, 1.9933, 20.3853



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.3554, 14.2634, 19.0311



27.4439, 22.7854, 31.8951



15.3558, 19.1314, 13.9503



4.4427, 4.3902, 5.1359



10.5744, 5.2494, 9.6143



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.0230, 12.9884, 22.1900 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 XYZ color 14.0230, 12.9884, 22.1900 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](#).

XYZ 14.0230, 12.9884, 22.1900

Background



This preview shows how black text looks on a background with the XYZ color 14.0230, 12.9884, 22.1900.



This preview shows how white text looks on a background with the XYZ color 14.0230, 12.9884,

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

14.0230, 12.9884, 22.1900

Protanopia

13.1681, 13.0802, 23.3034

Deuteranopia

13.2224, 12.9974, 21.8905



Tritanopia

12.7434, 13.0218, 16.0292

Trichromacy



Original Color

14.0230, 12.9884, 22.1900

Protanomaly

13.5281, 13.1321, 22.9408

Deuteranomaly

13.4540, 12.9770, 21.8744

Tritanomaly

13.1499, 13.0450, 18.0445

Monochromacy



Original Color

14.0230, 12.9884, 22.1900

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1907, 13.2273, 17.1871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0230, 12.9884, 22.1900 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(106, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(106, 96, 128)  
}
```

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(106, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 96, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.0230, 12.9884, 22.1900 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(106, 96, 128) }
```


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

```
.border{ border-color:rgb(106, 96, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(106, 96,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0230, 12.9884, 22.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 96, 128) }
```

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

```
.background{ background-color: rgb(106, 96,  
128) }
```

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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