

Converting Colors

XYZ(13.1476, 14.0727, 28.8630)

Have a look what the booklet for
XYZ(13.1476, 14.0727, 28.8630)
contains.

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Color

**XYZ(13.2211, 14.1859,
28.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	496C91
RGB	73, 108, 145
RGB Percent	29%, 42%, 57%
CMY	0.7137, 0.5765, 0.4314
CMYK	0.50, 0.26, 0.00, 0.43
HSL	211°, 33%, 43%
HSV	211°, 50%, 57%
XYZ	13.2211, 14.1859, 28.8294
YIQ	101.7530, -32.7370, 4.0870

Conversions

Conversions Part 2

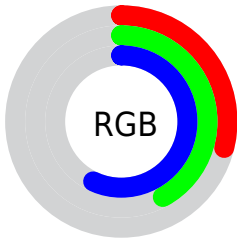
Format	Color
R_{YB}	73, 97, 145
Decimal	4811921
CIE _{Lab}	44.50, -1.70, -24.12
CIE _{LCh}	44, 24.179, 265.965
Yxy	14.1859, 0.2351, 0.2523
Android (android.graphics.Color)	4283002001 (0xFF496C91)
YUV	101.7530, 21.3208, -25.2164
Hunter-Lab	37.6642, -3.2542, -19.0176

Details

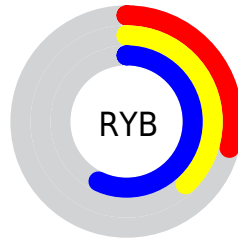
The XYZ color **13.2211, 14.1859, 28.8294** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.4562, 17.6535, 8.7388**, and the grayscale version is **12.5177, 13.1696, 14.3417**.

A 20% lighter version of the original color is **31.3111, 33.3554, 58.8208**, and **3.9203, 4.2648, 11.2062** is the 20% darker color. If you saturate the color by 10%, you get **11.4954, 12.1793, 28.5333**, and if you desaturate by 10%, it is **15.2712, 16.4600, 29.1606**.

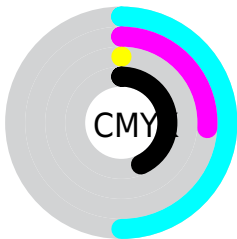
Distribution



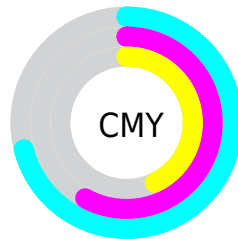
- Red (29%)
- Green (42%)
- Blue (57%)



- Red (29%)
- Yellow (38%)
- Blue (57%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (43%)



- Cyan (71%)
- Magenta (58%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2211, 14.1859, 28.8294 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 13.2211, 14.1859, 28.8294 by changing the saturation by 10% instead.

■ 13.2211, 14.1859,
28.8294

■ 13.2211, 14.1859,
28.8294

205.9389,
218.3843, 310.4449

■ 7.6590, 8.2501,
18.7073

■ 31.2984, 33.4185,
58.8449

■ 3.9275, 4.2554,
11.2843

■ 44.5443, 47.4841,
79.5754

■ 1.6612, 1.8174,
6.1418

■ 61.0822, 65.0284,
104.6791

■ 0.4318, 0.4980,
2.8613

■ 81.2774, 86.4358,
134.5745

■ 0.0000, 0.0000,
1.0243

■ 105.4954,
112.0907, 169.6803

■ 0.0000, 0.0000,
0.0000

134.1014,

142.3775, 210.4149

167.4608,
177.6805, 257.1969

■ 13.2211, 14.1859,
28.8294

■ 13.2211, 14.1859,
28.8294

■ 11.4954, 12.1793,
28.5333

■ 15.2712, 16.4600,
29.1606

■ 10.0727, 10.4259,
28.2698

■ 17.6620, 19.0117,
29.5271

■ 8.9316, 8.9122,
28.0378

■ 20.4107, 21.8523,
29.9305

■ 8.0462, 7.6225,
27.8355

■ 23.5326, 24.9919,
30.3720

■ 7.3541, 6.5215,
27.6595

■ 27.0422, 28.4403,
30.8526

■ 7.3315, 6.4855,
27.6538

■ 30.9531, 32.2065,
31.3734

■ 35.2782, 36.2993,
31.9354

■ 40.0300, 40.7270,
32.5396

■ 45.2201, 45.4976,
33.1869

Harmonies

Analogous

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



11.4911, 14.1859, 26.1669



13.2211, 14.1859, 28.8294



15.1930, 14.1859, 27.2556

Triad

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



13.2211, 14.1859, 28.8294



17.1442, 14.1859, 11.2043



10.6079, 14.1859, 10.1804

Complementary

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



13.2211, 14.1859, 28.8294



18.4562, 17.6535, 8.7388

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.



11.9069, 14.1859, 7.6617



13.2211, 14.1859, 28.8294



15.6933, 14.1859, 8.1451

Square

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



13.2211, 14.1859, 28.8294



17.5813, 14.1859, 16.2142



13.7489, 14.1859, 7.0179



10.0773, 14.1859, 14.7025

Rectangle

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



13.2211, 14.1859, 28.8294



16.3634, 14.1859, 24.1800



13.7489, 14.1859, 7.0179



10.9626, 14.1859, 9.1181

Sweetspot

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



13.2216, 14.1864, 28.8297



38.8949, 41.5071, 53.9352



15.6339, 22.7718, 18.0401



8.4241, 9.0030, 11.9660



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.2216, 14.1864, 28.8297



20.1435, 21.2792, 51.0192



10.2417, 8.2267, 27.8364



5.3324, 5.6606, 6.8403



6.3142, 5.6145, 23.7280



0.0823, 0.0975, 0.2342

Inverse Universe

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



16.7669, 11.8682, 15.5948



27.5247, 17.5036, 23.2289



23.0054, 26.7519, 10.2552



5.5112, 5.4650, 6.1902



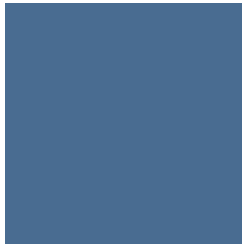
10.9902, 5.5531, 5.6000



0.1161, 0.0575, 0.1118

Previews

White Background



This preview shows how the XYZ color 13.2211, 14.1859, 28.8294 looks on a white background.

Color Contrast Check

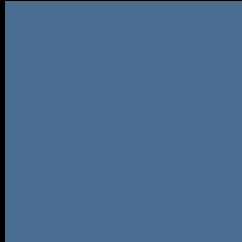
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2211, 14.1859, 28.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

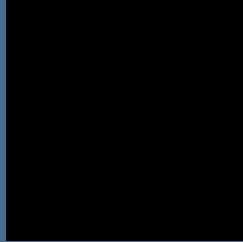
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

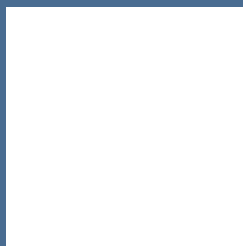
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2211, 14.1859, 28.8294

Background



This preview shows how black text looks on a background with the XYZ color 13.2211, 14.1859, 28.8294.

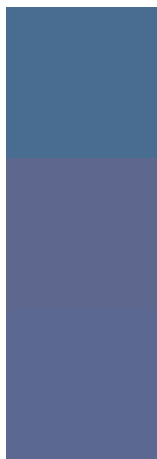


This preview shows how white text looks on a background with the XYZ color 13.2211, 14.1859,

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

13.2211, 14.1859, 28.8294

Protanopia

14.4489, 14.2333, 27.5769

Deuteranopia

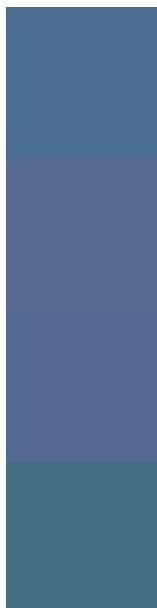
14.4530, 14.2001, 29.1733



Tritanopia

11.4253, 14.0926, 20.2071

Trichromacy



Original Color

13.2211, 14.1859, 28.8294

Protanomaly

13.8473, 14.0648, 27.9715

Deuteranomaly

13.8960, 14.0633, 29.1762

Tritanomaly

12.0976, 14.2095, 23.2242

Monochromacy



Original Color

13.2211, 14.1859, 28.8294

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5347, 13.4328, 19.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2211, 14.1859, 28.8294 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(73, 108, 145)` looks like.

```
.text, #text, p{  
    color:rgb(73, 108, 145)  
}
```

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(73, 108, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 108, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.2211, 14.1859, 28.8294 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(73, 108, 145) }
```


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

```
.border{ border-color:rgb(73, 108, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 108, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 108, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 108, 145);  
box-shadow:4px 4px 4px 4px rgb(73, 108,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2211, 14.1859, 28.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 108, 145) }
```

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

```
.background{ background-color: rgb(73, 108,  
145) }
```

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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