

Converting Colors

XYZ(13.7464, 14.2239, 20.4664)

Have a look what the booklet for
XYZ(13.7464, 14.2239, 20.4664)
contains.

XYZ(13.7100, 14.1609, 20.4231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7100, 14.1609,
20.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	63697A
RGB	99, 105, 122
RGB Percent	39%, 41%, 48%
CMY	0.6118, 0.5882, 0.5216
CMYK	0.19, 0.14, 0.00, 0.52
HSL	224°, 10%, 43%
HSV	224°, 19%, 48%
XYZ	13.7100, 14.1609, 20.4231
YIQ	105.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

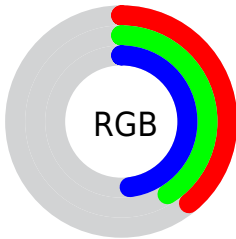
Format	Color
R_{YB}	99, 104, 122
Decimal	6515066
CIE _{Lab}	44.46, 1.61, -10.24
CIE _{LCh}	44, 10.365, 278.918
Yxy	14.1609, 0.2839, 0.2932
Android (android.graphics.Color)	4284705146 (0xFF63697A)
YUV	105.1440, 8.3100, -5.3883
Hunter-Lab	37.6310, -0.8217, -5.8362

Details

The XYZ color **13.7100, 14.1609, 20.4231** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5237, 17.5293, 14.3173**, and the grayscale version is **13.4465, 14.1468, 15.4058**.

A 20% lighter version of the original color is **32.1061, 33.3170, 44.7830**, and **4.1318, 4.2372, 6.9034** is the 20% darker color. If you saturate the color by 10%, you get **11.6064, 11.7849, 20.0756**, and if you desaturate by 10%, it is **16.1133, 16.8367, 20.8131**.

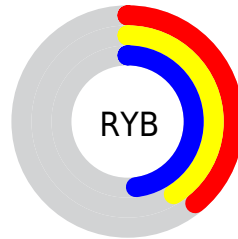
Distribution



Red (39%)

Green (41%)

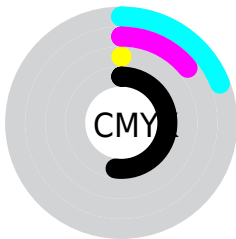
Blue (48%)



Red (39%)

Yellow (41%)

Blue (48%)

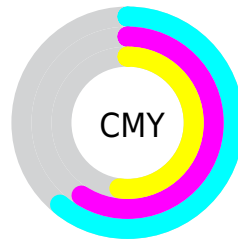


Cyan (19%)

Magenta (14%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (59%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7100, 14.1609, 20.4231 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 13.7100, 14.1609, 20.4231 by changing the saturation by 10% instead.

■ 13.7100, 14.1609,
20.4231

■ 13.7100, 14.1609,
20.4231

208.9661,
218.2295, 266.8761

■ 7.9996, 8.2327,
12.5158

■ 32.1642, 33.3742,
44.9937

■ 4.1465, 4.2442,
6.9692

■ 45.6386, 47.4281,
62.4941

■ 1.7853, 1.8111,
3.3647

■ 62.4318, 64.9594,
84.0293

■ 0.5088, 0.4941,
1.2837

■ 82.9091, 86.3524,
110.0178

■ 0.0000, 0.0000,
0.0484

107.4358,
111.9915, 140.8782

■ 0.0000, 0.0000,
0.0000

136.3773,

142.2611, 177.0290

170.0989,
177.5456, 218.8888

■ 13.7100, 14.1609,
20.4231

■ 13.7100, 14.1609,
20.4231

■ 11.6064, 11.7849,
20.0756

■ 16.1133, 16.8367,
20.8131

■ 9.7891, 9.6963,
19.7682

■ 18.8263, 19.8206,
21.2461

■ 8.2457, 7.8842,
19.4998

■ 21.8601, 23.1230,
21.7236

■ 6.9623, 6.3366,
19.2687

■ 25.2250, 26.7529,
22.2469

■ 5.9238, 5.0403,
19.0733

■ 28.9306, 30.7193,
22.8172

■ 5.1133, 3.9812,
18.9115

■ 32.9864, 35.0306,
23.4356

■ 4.5117, 3.1431,
18.7815

■ 37.4014, 39.6950,
24.1032

■ 4.0706, 2.4945,
18.6795

■ 42.1840, 44.7204,
24.8212

■ 4.0249, 2.4291,
18.6693

■ 47.3428, 50.1145,
25.5904

Harmonies

Analogous

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



12.8901, 14.1609, 20.1204



13.7100, 14.1609, 20.4231



14.4937, 14.1609, 19.2810

Triad

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



13.7100, 14.1609, 20.4231



14.7480, 14.1609, 12.7063



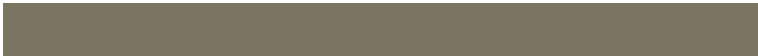
12.0161, 14.1609, 13.8230

Complementary

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



13.7100, 14.1609, 20.4231



16.5237, 17.5293, 14.3173

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.



12.4757, 14.1609, 12.1103



13.7100, 14.1609, 20.4231



14.0454, 14.1609, 11.5134

Square

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



13.7100, 14.1609, 20.4231



15.1091, 14.1609, 14.7168



13.2121, 14.1609, 11.3071



11.9346, 14.1609, 16.1428

Rectangle

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



13.7100, 14.1609, 20.4231



14.8822, 14.1609, 17.9170



13.2121, 14.1609, 11.3071



12.1305, 14.1609, 13.1643

Sweetspot

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



13.7104, 14.1615, 20.4234



29.5852, 30.9873, 36.8147



15.2500, 17.8298, 19.1204



6.7134, 7.0287, 8.4095



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7104, 14.1615, 20.4234



22.3155, 22.8835, 35.6337



13.7266, 13.2942, 20.2552



3.8748, 4.0480, 5.0203



4.2313, 2.5451, 19.6535



19.5826, 10.9378, 93.5489

Inverse Universe

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



15.0380, 14.0815, 15.2906



25.1595, 22.7786, 24.6233



16.4989, 18.5767, 14.5208



4.0373, 4.0306, 4.3940



8.7191, 4.4638, 1.8118



41.2875, 21.1714, 7.0442

Previews

White Background



This preview shows how the XYZ color 13.7100, 14.1609, 20.4231 looks on a white background.

Color Contrast Check

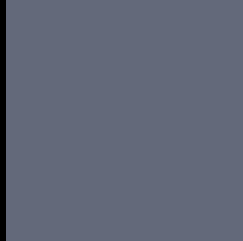
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7100, 14.1609, 20.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

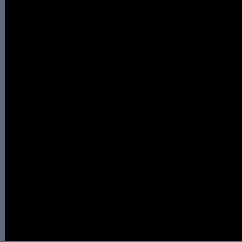
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

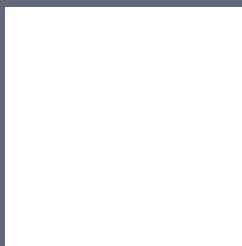
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7100, 14.1609, 20.4231

Background



This preview shows how black text looks on a background with the XYZ color 13.7100, 14.1609, 20.4231.



This preview shows how white text looks on a background with the XYZ color 13.7100, 14.1609,

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

13.7100, 14.1609, 20.4231

Protanopia

13.8810, 14.1059, 20.0803

Deuteranopia

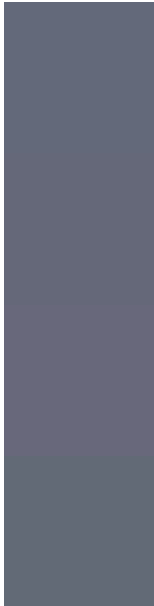
14.4888, 14.2564, 20.7270



Tritanopia

13.2855, 14.1425, 18.2492

Trichromacy



Original Color

13.7100, 14.1609, 20.4231

Protanomaly

13.7683, 14.0478, 20.0750

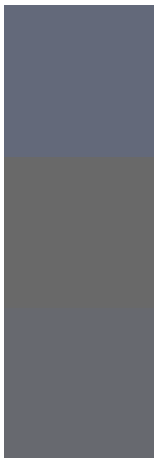
Deuteranomaly

14.2344, 14.2737, 20.7438

Tritanomaly

13.4611, 14.2127, 19.1734

Monochromacy



Original Color

13.7100, 14.1609, 20.4231

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5143, 14.1344, 17.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7100, 14.1609, 20.4231 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(99, 105, 122) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 122)  
}
```

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(99, 105, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.7100, 14.1609, 20.4231 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(99, 105, 122) }
```


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

```
.border{ border-color:rgb(99, 105, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 105, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7100, 14.1609, 20.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 122) }
```

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

```
.background{ background-color: rgb(99, 105,  
122) }
```

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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