

Converting Colors

XYZ(13.7422, 14.3593, 20.5901)

Have a look what the booklet for
XYZ(13.7422, 14.3593, 20.5901)
contains.

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Color

**XYZ(13.7039, 14.3099,
20.4522)**

Conversions

Conversions Part 1

Format	Color
Hex	626A7A
RGB	98, 106, 122
RGB Percent	38%, 42%, 48%
CMY	0.6157, 0.5843, 0.5216
CMYK	0.20, 0.13, 0.00, 0.52
HSL	220°, 11%, 43%
HSV	220°, 20%, 48%
XYZ	13.7039, 14.3099, 20.4522
YIQ	105.4320, -9.9040, 3.2800

Conversions

Conversions Part 2

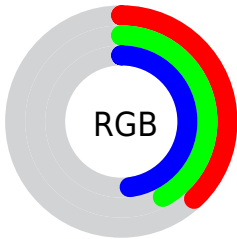
Format	Color
R _Y B	98, 104, 122
Decimal	6449786
CIE Lab	44.67, 0.66, -9.93
CIE LCh	45, 9.951, 273.786
Yxy	14.3099, 0.2828, 0.2953
Android (android.graphics.Color)	4284639866 (0xFF626A7A)
YUV	105.4320, 8.1680, -6.5179
Hunter-Lab	37.8284, -1.5355, -5.5756

Details

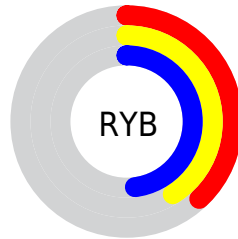
The XYZ color **13.7039, 14.3099, 20.4522** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2481, 17.0540, 13.9910**, and the grayscale version is **13.5253, 14.2296, 15.4961**.

A 20% lighter version of the original color is **32.0914, 33.5595, 44.8306**, and **4.1318, 4.3128, 6.9180** is the 20% darker color. If you saturate the color by 10%, you get **11.6879, 12.0852, 20.1293**, and if you desaturate by 10%, it is **16.0010, 16.7982, 20.8117**.

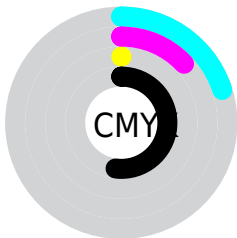
Distribution



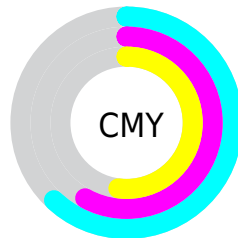
- Red (38%)
- Green (42%)
- Blue (48%)



- Red (38%)
- Yellow (41%)
- Blue (48%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (52%)



- Cyan (62%)
- Magenta (58%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7039, 14.3099, 20.4522 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 13.7039, 14.3099, 20.4522 by changing the saturation by 10% instead.

■ 13.7039, 14.3099,
20.4522

■ 13.7039, 14.3099,
20.4522

208.9286,
219.1503, 267.0375

■ 7.9953, 8.3365,
12.5368

■ 32.1534, 33.6379,
45.0429

■ 4.1437, 4.3110,
6.9834

■ 45.6250, 47.7613,
62.5554

■ 1.7838, 1.8490,
3.3735

■ 62.4150, 65.3702,
84.1040

■ 0.5079, 0.5175,
1.2883

■ 82.8888, 86.8489,
110.1072

■ 0.0000, 0.0000,
0.0522

107.4117,
112.5819, 140.9836

■ 0.0000, 0.0000,
0.0000

136.3491,

142.9535, 177.1518

170.0663,
178.3482, 219.0302

■ 13.7039, 14.3099,
20.4522

■ 13.7039, 14.3099,
20.4522

■ 11.6879, 12.0852,
20.1293

■ 16.0010, 16.7982,
20.8117

■ 9.9404, 10.1133,
19.8408

■ 18.5884, 19.5570,
21.2078

■ 8.4497, 8.3851,
19.5858

■ 21.4766, 22.5951,
21.6420

■ 7.2029, 6.8905,
19.3630

■ 24.6752, 25.9202,
22.1152

■ 6.1857, 5.6181,
19.1710

■ 28.1932, 29.5400,
22.6285

■ 5.3823, 4.5560,
19.0083

■ 32.0393, 33.4615,
23.1827

■ 4.7745, 3.6905,
18.8733

■ 36.2221, 37.6918,
23.7788

■ 4.3088, 2.9895,
18.7626

■ 40.7494, 42.2376,
24.4176

■ 4.2946, 2.9686,
18.7593

■ 45.6292, 47.1055,
25.1000

Harmonies

Analogous

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



12.9268, 14.3099, 19.9203



13.7039, 14.3099, 20.4522



14.4829, 14.3099, 19.5764

Triad

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



13.7039, 14.3099, 20.4522



14.9327, 14.3099, 13.2369



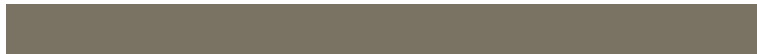
12.2553, 14.3099, 13.6983

Complementary

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



13.7039, 14.3099, 20.4522



16.2481, 17.0540, 13.9910

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.



12.7559, 14.3099, 12.1700



13.7039, 14.3099, 20.4522



14.2985, 14.3099, 11.9227

Square

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



13.7039, 14.3099, 20.4522



15.2099, 14.3099, 15.2893



13.4989, 14.3099, 11.5521



12.1100, 14.3099, 15.8765

Rectangle

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



13.7039, 14.3099, 20.4522



14.8926, 14.3099, 18.3584



13.4989, 14.3099, 11.5521



12.3866, 14.3099, 13.0990

Sweetspot

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



13.7043, 14.3105, 20.4525



29.6963, 31.2094, 36.8518



15.0114, 17.7218, 18.4302



6.7407, 7.0833, 8.4186



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.



13.7043, 14.3105, 20.4525



22.3086, 23.1983, 35.6948



13.3151, 12.9423, 20.2090



3.8967, 4.0917, 5.0276



4.5143, 3.1111, 19.7479



20.8252, 13.4230, 93.9631

Inverse Universe

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



14.9956, 13.9139, 15.5316



25.0757, 22.4378, 25.1295



16.6901, 18.6808, 14.2817



4.0483, 4.0351, 4.4521



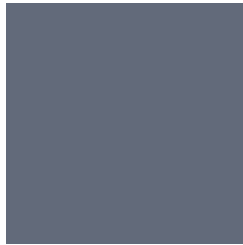
8.8620, 4.5209, 2.5640



41.9147, 21.4222, 10.3471

Previews

White Background



This preview shows how the XYZ color 13.7039, 14.3099, 20.4522 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 13.7039, 14.3099, 20.4522 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

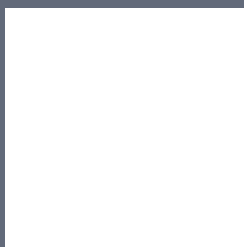
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7039, 14.3099, 20.4522

Background



This preview shows how black text looks on a background with the XYZ color 13.7039, 14.3099, 20.4522.



This preview shows how white text looks on a background with the XYZ color 13.7039, 14.3099,

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

13.7039, 14.3099, 20.4522

Protanopia

14.0963, 14.3672, 20.1194

Deuteranopia

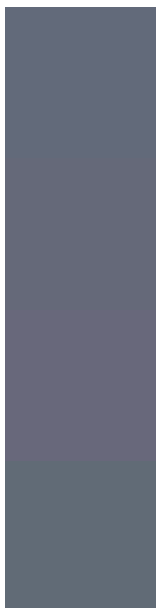
14.6097, 14.3187, 20.7327



Tritanopia

13.3398, 14.3177, 18.5835

Trichromacy



Original Color

13.7039, 14.3099, 20.4522

Protanomaly

13.8696, 14.2503, 20.1087

Deuteranomaly

14.2344, 14.2737, 20.7438

Tritanomaly

13.4575, 14.3648, 19.2029

Monochromacy



Original Color

13.7039, 14.3099, 20.4522

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4003, 14.0756, 17.0495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7039, 14.3099, 20.4522 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(98, 106, 122) looks like.

```
.text, #text, p{  
    color:rgb(98, 106, 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(98, 106, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 106, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.7039, 14.3099, 20.4522 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(98, 106, 122) }
```


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

```
.border{ border-color:rgb(98, 106, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 106, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 106, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 106, 122);  
box-shadow:4px 4px 4px 4px rgb(98, 106,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7039, 14.3099, 20.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 106, 122) }
```

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

```
.background{ background-color: rgb(98, 106,  
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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