

Converting Colors

XYZ(13.4714, 12.9267, 23.3026)

Have a look what the booklet for
XYZ(13.4714, 12.9267, 23.3026)
contains.

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Color

**XYZ(13.5014, 12.9707,
23.2647)**

Conversions

| Conversions Part 1 | |
|--------------------|-----------------------------|
| Format | Color |
| Hex | 626283 |
| RGB | 98, 98, 131 |
| RGB Percent | 38%, 38%, 51% |
| CMY | 0.6157, 0.6157, 0.4863 |
| CMYK | 0.25, 0.25, 0.00, 0.49 |
| HSL | 240°, 14%, 45% |
| HSV | 240°, 25%, 51% |
| XYZ | 13.5014, 12.9707, 23.2647 |
| YIQ | 101.7620, -10.5930, 10.2630 |

Conversions

Conversions Part 2

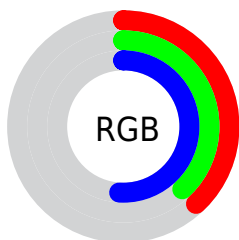
| Format | Color |
|-------------------------------------|--|
| RYB | 98, 98, 131 |
| Decimal | 6447747 |
| CIELab | 42.72, 7.79, -18.33 |
| CIELCh | 43, 19.912, 293.019 |
| Yxy | 12.9707, 0.2715, 0.2608 |
| Android (android.graphics.Color) | 4284637827 (0xFF626283) |
| YUV | 101.7620, 14.4143, -3.2993 |
| Hunter-Lab | 36.0149, 3.8908, -13.0895 |

Details

The XYZ color **13.5014, 12.9707, 23.2647** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.6811, 21.9398, 14.7532**, and the grayscale version is **12.5332, 13.1858, 14.3594**.

A 20% lighter version of the original color is **31.7936, 31.3451, 49.7219**, and **4.0286, 3.7282, 8.2919** is the 20% darker color. If you saturate the color by 10%, you get **11.0750, 10.0470, 22.8285**, and if you desaturate by 10%, it is **16.3607, 16.4160, 23.7792**.

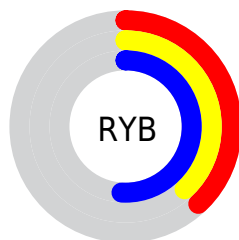
Distribution



Red (38%)

Green (38%)

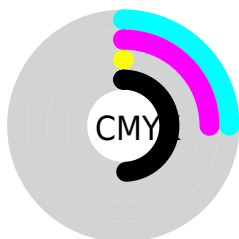
Blue (51%)



Red (38%)

Yellow (38%)

Blue (51%)

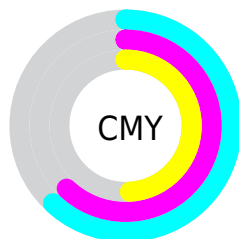


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (49%)



Cyan (62%)


Magenta (62%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5014, 12.9707, 23.2647 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 13.5014, 12.9707, 23.2647 by changing the saturation by 10% instead.


 13.5014, 12.9707,
23.2647


 13.5014, 12.9707,
23.2647


207.6798,
210.7298, 282.2475

 7.8541, 7.4084,
14.5819


 31.7954, 31.2511,
49.7563


 4.0527, 3.7188,
8.3832


 45.1728, 44.7380,
68.4022

 1.7320, 1.5175,
4.2498

 61.8575, 61.6352,
91.2063

 0.4762, 0.3010,
1.7634

 82.2151, 82.3272,
118.5870

 0.0000, 0.0000,
0.4036

106.6107,
107.1982, 150.9629

 0.0000, 0.0000,
0.0000

135.4098,

136.6327, 188.7527

168.9777,
171.0151, 232.3747

■ 13.5014, 12.9707,
23.2647

■ 13.5014, 12.9707,
23.2647

■ 11.0750, 10.0470,
22.8285

■ 16.3607, 16.4160,
23.7792

■ 9.0591, 7.6180,
22.4659

■ 19.6711, 20.4048,
24.3747

■ 7.4315, 5.6568,
22.1731

■ 23.4514, 24.9598,
25.0546

■ 6.1672, 4.1334,
21.9457

■ 27.7191, 30.1020,
25.8222

■ 5.2383, 3.0142,
21.7786

■ 32.4904, 35.8511,
26.6805

■ 4.6130, 2.2607,
21.6662

■ 37.7812, 42.2261,
27.6321

■ 4.2441, 1.8162,
21.5998

■ 43.6064, 49.2451,
28.6799

■ 4.0968, 1.6387,
21.5733

■ 49.9805, 56.9254,
29.8264

■ 56.9172, 65.2837,
31.0741

Harmonies

Analogous

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



11.9780, 12.9707, 24.1141



13.5014, 12.9707, 23.2647



14.8018, 12.9707, 19.7522

Triad

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



13.5014, 12.9707, 23.2647



14.1628, 12.9707, 8.4572



9.6598, 12.9707, 13.1340

Complementary

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



13.5014, 12.9707, 23.2647



19.6811, 21.9398, 14.7532

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.



10.1469, 12.9707, 9.6797



13.5014, 12.9707, 23.2647



12.6853, 12.9707, 7.3612

Square

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



13.5014, 12.9707, 23.2647



15.2049, 12.9707, 11.1086



11.2251, 12.9707, 7.7578



9.8395, 12.9707, 17.6384

Rectangle

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



13.5014, 12.9707, 23.2647



15.3257, 12.9707, 16.6992



11.2251, 12.9707, 7.7578



9.7496, 12.9707, 11.8262

Sweetspot

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



13.5018, 12.9712, 23.2650



33.3644, 34.2966, 43.3146



17.2131, 20.4533, 24.3187



7.5789, 7.7573, 10.0505



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.5018, 12.9712, 23.2650



21.6940, 20.2346, 41.2154



15.3977, 13.9485, 23.3537



4.4345, 4.5446, 5.8442



4.0326, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Inverse Universe

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



15.9327, 14.4429, 13.5038



26.7955, 23.3231, 20.7305



17.3980, 20.7629, 14.6463



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 13.5014, 12.9707, 23.2647 looks on a white background.

Color Contrast Check

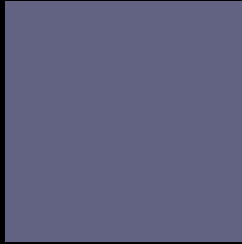
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5014, 12.9707, 23.2647 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 13.5014, 12.9707, 23.2647

Background



This preview shows how black text looks on a background with the XYZ color 13.5014, 12.9707, 23.2647.



This preview shows how white text looks on a background with the XYZ color 13.5014, 12.9707,

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

13.5014, 12.9707, 23.2647

Protanopia

13.1357, 13.0556, 23.6575

Deuteranopia

13.2779, 12.9953, 23.2812



Tritanopia

12.1819, 13.0082, 16.6206

Trichromacy



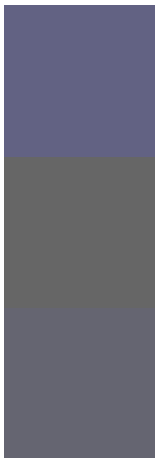
Original Color
13.5014, 12.9707, 23.2647

Protanomaly
13.2428, 12.9693, 23.6352

Deuteranomaly
13.3824, 13.0492, 23.2861

Tritanomaly
12.6430, 13.0483, 18.9917

Monochromacy



Original Color
13.5014, 12.9707, 23.2647

Achromatopsia
12.6291, 13.2868, 14.4694

Achromatomaly
13.0011, 13.2663, 17.4982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5014, 12.9707, 23.2647 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, 98, 131) looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 131)  
}
```

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, 98, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.5014, 12.9707, 23.2647 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, 98, 131) }
```


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

```
.border{ border-color:rgb(98, 98, 131) }
```

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

Here you see how a box with a 4 pixel rgb(98, 98, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 131);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5014, 12.9707, 23.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 131) }
```

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

```
.background{ background-color: rgb(98, 98,  
131) }
```

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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