

Converting Colors

XYZ(14.7758, 13.9981, 26.1001)

Have a look what the booklet for
XYZ(14.7758, 13.9981, 26.1001)
contains.

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Color

**XYZ(14.7206, 13.9671,
25.9648)**

Conversions

Conversions Part 1

Format	Color
Hex	66658A
RGB	102, 101, 138
RGB Percent	40%, 40%, 54%
CMY	0.6000, 0.6039, 0.4588
CMYK	0.26, 0.27, 0.00, 0.46
HSL	242°, 15%, 47%
HSV	242°, 27%, 54%
XYZ	14.7206, 13.9671, 25.9648
YIQ	105.5170, -11.2810, 11.7190

Conversions

Conversions Part 2

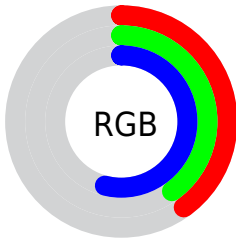
Format	Color
R_{YB}	102, 101, 138
Decimal	6710666
CIE Lab	44.19, 9.09, -20.26
CIE LCh	44, 22.202, 294.174
Yxy	13.9671, 0.2693, 0.2556
Android (android.graphics.Color)	4284900746 (0xFF66658A)
YUV	105.5170, 16.0141, -3.0844
Hunter-Lab	37.3726, 4.9069, -15.0312

Details

The XYZ color **14.7206, 13.9671, 25.9648** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.7543, 24.4352, 15.8824**, and the grayscale version is **13.5280, 14.2325, 15.4992**.

A 20% lighter version of the original color is **34.0691, 33.1323, 54.4687**, and **4.6019, 4.1272, 9.7866** is the 20% darker color. If you saturate the color by 10%, you get **12.0912, 10.7870, 25.4898**, and if you desaturate by 10%, it is **17.8225, 17.7254, 26.5270**.

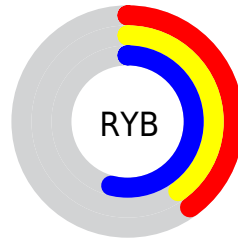
Distribution



Red (40%)

Green (40%)

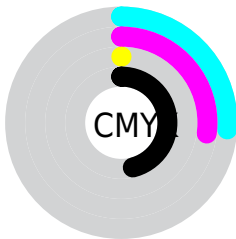
Blue (54%)



Red (40%)

Yellow (40%)

Blue (54%)

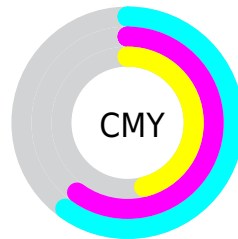


Cyan (26%)

Magenta (27%)

Yellow (0%)

Black (46%)



Cyan (60%)

Magenta (60%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7206, 13.9671, 25.9648 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 14.7206, 13.9671, 25.9648 by changing the saturation by 10% instead.

■ 14.7206, 13.9671,
25.9648

■ 14.7206, 13.9671,
25.9648

215.0909,
217.0261, 296.2092

■ 8.7086, 8.0978,
16.5718

■ 33.9380, 33.0306,
54.2015

■ 4.6072, 4.1576,
9.7709

■ 47.8740, 46.9937,
73.8823

■ 2.0510, 1.7621,
5.1437

■ 65.1821, 64.4234,
97.8295

■ 0.6624, 0.4634,
2.2716

■ 86.2276, 85.7042,
126.4615

■ 0.0000, 0.0000,
0.7153

111.3759,
111.2204, 160.1970

■ 0.0000, 0.0000,
0.0000

140.9923,

141.3566, 199.4544

175.4422,
176.4970, 244.6523

■ 14.7206, 13.9671,
25.9648

■ 14.7206, 13.9671,
25.9648

■ 12.0912, 10.7870,
25.4898

■ 17.8225, 17.7254,
26.5270

■ 9.9097, 8.1549,
25.0967

■ 21.4169, 22.0868,
27.1794

■ 8.1517, 6.0403,
24.7812

■ 25.5245, 27.0768,
27.9260

■ 6.7895, 4.4091,
24.5382

■ 30.1643, 32.7190,
28.7705

■ 5.7926, 3.2231,
24.3618

■ 35.3545, 39.0356,
29.7162

■ 5.1257, 2.4384,
24.2455

■ 41.1121, 46.0480,
30.7663

■ 4.7355, 1.9822,
24.1780

■ 47.4538, 53.7764,
31.9238

■ 4.6342, 1.8591,
24.1596

■ 54.3953, 62.2404,
33.1916

■ 61.9518, 71.4587,
34.5727

Harmonies

Analogous

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



12.9323, 13.9671, 27.1327



14.7206, 13.9671, 25.9648



16.2351, 13.9671, 21.6669

Triad

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



14.7206, 13.9671, 25.9648



15.3720, 13.9671, 8.5867



10.1650, 13.9671, 14.2383

Complementary

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



14.7206, 13.9671, 25.9648



21.7543, 24.4352, 15.8824

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.



10.6991, 13.9671, 10.1798



14.7206, 13.9671, 25.9648



13.6243, 13.9671, 7.4170

Square

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



14.7206, 13.9671, 25.9648



16.6340, 13.9671, 11.5504



11.9279, 13.9671, 7.9275



10.4022, 13.9671, 19.5657

Rectangle

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



14.7206, 13.9671, 25.9648



16.8320, 13.9671, 18.0283



11.9279, 13.9671, 7.9275



10.2586, 13.9671, 12.6980

Sweetspot

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



14.7211, 13.9677, 25.9651



36.8362, 37.8213, 47.7419



18.9549, 22.6025, 27.4087



8.0625, 8.2407, 10.6720



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.7211, 13.9677, 25.9651



23.1272, 21.2071, 45.2576



17.0035, 15.1443, 26.0719



4.7863, 4.8983, 6.2990



4.2509, 1.7055, 22.1508



0.0297, 0.0121, 0.1472

Inverse Universe

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



19.6507, 16.5173, 25.8198



33.2902, 26.4641, 44.9259



19.0296, 23.0305, 15.7548



5.2281, 5.1267, 6.2897



13.5735, 6.5395, 21.3219



0.0910, 0.0438, 0.1461

Previews

White Background



This preview shows how the XYZ color 14.7206, 13.9671, 25.9648 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 14.7206, 13.9671, 25.9648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

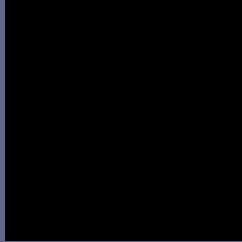
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7206, 13.9671, 25.9648

Background



This preview shows how black text looks on a background with the XYZ color 14.7206, 13.9671, 25.9648.



This preview shows how white text looks on a background with the XYZ color 14.7206, 13.9671,

25.9648.

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

14.7206, 13.9671, 25.9648

Protanopia

14.2000, 13.9736, 26.7597

Deuteranopia

14.2616, 14.0223, 25.9997



Tritanopia

13.1211, 14.0644, 17.9427

Trichromacy



Original Color

14.7206, 13.9671, 25.9648

Protanomaly

14.3413, 13.9082, 26.3548

Deuteranomaly

14.3758, 13.9344, 25.9767

Tritanomaly

13.6711, 13.9833, 20.7174

Monochromacy



Original Color

14.7206, 13.9671, 25.9648

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0460, 14.2119, 19.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7206, 13.9671, 25.9648 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(102, 101, 138)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 138)  
}
```

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(102, 101, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 138) }
```

Border

The CSS property to change the border of an element to XYZ 14.7206, 13.9671, 25.9648 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(102, 101, 138) }
```


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

```
.border{ border-color:rgb(102, 101, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 138);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7206, 13.9671, 25.9648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 138) }
```

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

```
.background{ background-color: rgb(102,  
101, 138) }
```

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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