

Converting Colors

XYZ(22.5010, 24.8986, 39.7016)

Have a look what the booklet for
XYZ(22.5010, 24.8986, 39.7016)
contains.

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Color

**XYZ(22.4712, 24.9287,
39.7038)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8DA6
RGB	107, 141, 166
RGB Percent	42%, 55%, 65%
CMY	0.5804, 0.4470, 0.3490
CMYK	0.36, 0.15, 0.00, 0.35
HSL	205°, 25%, 54%
HSV	205°, 36%, 65%
XYZ	22.4712, 24.9287, 39.7038
YIQ	133.6840, -28.2890, 0.5670

Conversions

Conversions Part 2

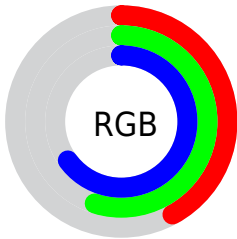
Format	Color
RYB	107, 129, 166
Decimal	7048614
CIELab	57.01, -5.51, -17.01
CIELCh	57, 17.883, 252.057
Yxy	24.9287, 0.2580, 0.2862
Android (android.graphics.Color)	4285238694 (0xFF6B8DA6)
YUV	133.6840, 15.9318, -23.4019
Hunter-Lab	49.9286, -7.0383, -12.1980

Details

The XYZ color **22.4712, 24.9287, 39.7038** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.6315, 25.6715, 17.4621**, and the grayscale version is **22.4956, 23.6671, 25.7735**.

A 20% lighter version of the original color is **47.0635, 51.7243, 75.9099**, and **8.4092, 9.5378, 17.3174** is the 20% darker color. If you saturate the color by 10%, you get **19.6595, 21.9887, 39.2849**, and if you desaturate by 10%, it is **25.7335, 28.1999, 40.1637**.

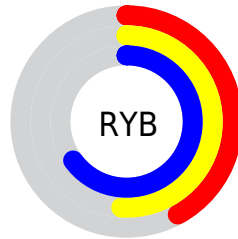
Distribution



Red (42%)

Green (55%)

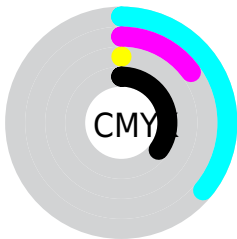
Blue (65%)



Red (42%)

Yellow (51%)

Blue (65%)

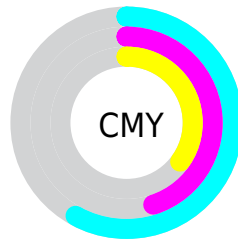


Cyan (36%)

Magenta (15%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (45%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4712, 24.9287, 39.7038 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 22.4712, 24.9287, 39.7038 by changing the saturation by 10% instead.

■ 22.4712, 24.9287,
39.7038

■ 22.4712, 24.9287,
39.7038

257.5836,
277.4827, 360.3885

■ 14.3221, 16.0239,
26.9956

■ 46.9966, 51.5415,
75.9444

■ 8.4282, 9.5411,
17.3375

■ 64.1037, 70.0184,
100.3139

■ 4.4243, 5.0958,
10.3109

■ 84.9274, 92.4547,
129.4077

■ 1.9448, 2.3036,
5.4973

■ 109.8331,
119.2350, 163.6442

■ 0.6027, 0.7756,
2.4781

139.1863,
150.7435, 203.4420

■ 0.0000, 0.0000,
0.8285

173.3521,

■ 0.0000, 0.0000,

187.3647, 249.2196

0.0000

212.6961,
229.4830, 301.3956

■ 22.4712, 24.9287,
39.7038

■ 22.4712, 24.9287,
39.7038

■ 19.6595, 21.9887,
39.2849

■ 25.7335, 28.1999,
40.1637

■ 17.2729, 19.3632,
38.9040

■ 29.4654, 31.8123,
40.6643

■ 15.2866, 17.0383,
38.5599

■ 33.6878, 35.7787,
41.2073

■ 13.6721, 14.9973,
38.2510

■ 38.4194, 40.1105,
41.7941

■ 12.3967, 13.2213,
37.9755

■ 43.6779, 44.8185,
42.4256

■ 11.4186, 11.6869,
37.7308

■ 49.4801, 49.9130,
43.1032

■ 11.0353, 11.0578,
37.6296

■ 55.8422, 55.4037,
43.8277

■ 62.7795, 61.3002,
44.6002

■ 69.7886, 67.3444,
45.3974

Harmonies

Analogous

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



20.8195, 24.9287, 35.6536



22.4712, 24.9287, 39.7038



24.5478, 24.9287, 40.1013

Triad

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



22.4712, 24.9287, 39.7038



27.8679, 24.9287, 24.7976



21.0898, 24.9287, 19.4278

Complementary

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



22.4712, 24.9287, 39.7038



26.6315, 25.6715, 17.4621

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.



22.8602, 24.9287, 17.3287



22.4712, 24.9287, 39.7038



26.8215, 24.9287, 20.1077

Square

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



22.4712, 24.9287, 39.7038



27.7485, 24.9287, 30.8654



24.9603, 24.9287, 17.5576



20.0550, 24.9287, 23.7328

Rectangle

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



22.4712, 24.9287, 39.7038



25.9033, 24.9287, 38.1758



24.9603, 24.9287, 17.5576



21.6140, 24.9287, 18.4716

Sweetspot

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



22.4720, 24.9297, 39.7044



56.6882, 60.7771, 74.2187



23.8366, 32.0534, 26.6119



12.4671, 13.3946, 16.5805



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.4720, 24.9297, 39.7044



36.5121, 40.7949, 71.4251



18.7320, 17.4497, 38.4577



7.4772, 7.9914, 9.5667



8.6042, 8.6687, 29.1952



0.2584, 0.3090, 0.7267

Inverse Universe

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



25.7920, 20.5462, 27.8067



43.6537, 32.2002, 45.6449



31.1397, 34.6880, 18.9648



7.7055, 7.6121, 8.7663



13.8436, 6.9462, 9.2540



0.3616, 0.1789, 0.3555

Previews

White Background



This preview shows how the XYZ color 22.4712, 24.9287, 39.7038 looks on a white 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

Black Background



This preview shows how the XYZ color 22.4712, 24.9287, 39.7038 looks on a black 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

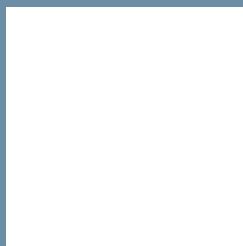
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4712, 24.9287, 39.7038

Background



This preview shows how black text looks on a background with the XYZ color 22.4712, 24.9287, 39.7038.



This preview shows how white text looks on a background with the XYZ color 22.4712, 24.9287,

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

22.4712, 24.9287, 39.7038

Protanopia

24.5456, 24.7619, 37.6682

Deuteranopia

25.4245, 24.9457, 40.5208



Tritanopia

21.3641, 24.9211, 34.2561

Trichromacy



Original Color

22.4712, 24.9287, 39.7038

Protanomaly

23.5826, 24.6732, 38.1698

Deuteranomaly

24.2329, 24.9664, 40.1010

Tritanomaly

21.6703, 24.8179, 35.9959

Monochromacy



Original Color

22.4712, 24.9287, 39.7038

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4461, 24.2517, 30.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4712, 24.9287, 39.7038 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(107, 141, 166)` looks like.

```
.text, #text, p{  
    color:rgb(107, 141, 166)  
}
```

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(107, 141, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 141, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.4712, 24.9287, 39.7038 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(107, 141, 166) }
```


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

```
.border{ border-color:rgb(107, 141, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 141, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 141, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 141, 166); box-shadow:4px 4px 4px 4px rgb(107, 141, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4712, 24.9287, 39.7038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 141, 166) }
```

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

```
.background{ background-color: rgb(107,  
141, 166) }
```

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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