

Converting Colors

XYZ(11.9991, 9.7290, 22.3708)

Have a look what the booklet for
XYZ(11.9991, 9.7290, 22.3708)
contains.

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Color

**XYZ(12.0092, 9.7698,
22.3719)**

Conversions

Conversions Part 1

Format	Color
Hex	644E82
RGB	100, 78, 130
RGB Percent	39%, 31%, 51%
CMY	0.6078, 0.6941, 0.4902
CMYK	0.23, 0.40, 0.00, 0.49
HSL	265°, 25%, 41%
HSV	265°, 40%, 51%
XYZ	12.0092, 9.7698, 22.3719
YIQ	90.5060, -3.5800, 20.8360

Conversions

Conversions Part 2

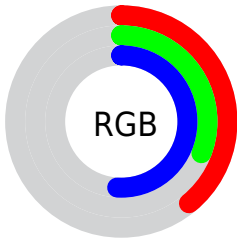
Format	Color
RYB	100, 78, 130
Decimal	6573698
CIELab	37.43, 20.61, -25.90
CIELCh	37, 33.103, 308.511
Yxy	9.7698, 0.2720, 0.2213
Android (android.graphics.Color)	4284763778 (0xFF644E82)
YUV	90.5060, 19.4705, 8.3262
Hunter-Lab	31.2567, 13.8827, -20.5570

Details

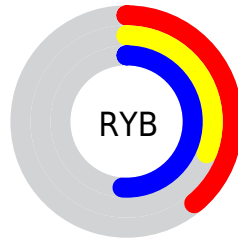
The XYZ color **12.0092, 9.7698, 22.3719** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.5423, 19.7037, 10.1921**, and the grayscale version is **9.7904, 10.3002, 11.2169**.

A 20% lighter version of the original color is **29.0855, 25.2730, 48.1450**, and **3.4080, 2.3970, 7.8725** is the 20% darker color. If you saturate the color by 10%, you get **10.3836, 7.6938, 22.0570**, and if you desaturate by 10%, it is **13.8944, 12.2512, 22.7517**.

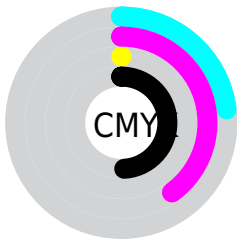
Distribution



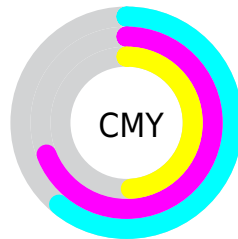
- Red (39%)
- Green (31%)
- Blue (51%)



- Red (39%)
- Yellow (31%)
- Blue (51%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (49%)



- Cyan (61%)
- Magenta (69%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0092, 9.7698, 22.3719 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 12.0092, 9.7698, 22.3719 by changing the saturation by 10% instead.

■ 12.0092, 9.7698,
22.3719

■ 12.0092, 9.7698,
22.3719

198.2349,
189.0211, 277.4989

■ 6.8222, 5.2466,
13.9295

■ 29.1286, 25.3616,
48.2699

■ 3.3965, 2.3927,
7.9335

■ 41.7916, 37.1990,
66.5627

■ 1.3667, 0.8221,
3.9652

■ 57.6774, 52.2433,
88.9759

■ 0.2323, 0.0000,
1.6063

■ 77.1513, 70.8788,
115.9282

■ 0.0000, 0.0000,
0.2953

■ 100.5787, 93.4899,
147.8381

■ 0.0000, 0.0000,
0.0000

128.3248,

120.4611, 185.1242

160.7551,
152.1767, 228.2049

■ 12.0092, 9.7698,
22.3719

■ 12.0092, 9.7698,
22.3719

■ 10.3836, 7.6938,
22.0570

■ 13.8944, 12.2512,
22.7517

■ 9.0039, 5.9992,
21.8027

■ 16.0502, 15.1577,
23.1990

■ 7.8561, 4.6616,
21.6050

■ 18.4881, 18.5090,
23.7174

■ 6.9247, 3.6528,
21.4593

■ 21.2183, 22.3235,
24.3098

■ 6.1915, 2.9401,
21.3604

■ 24.2510, 26.6181,
24.9789

■ 5.6050, 2.4240,
21.2917

■ 27.5954, 31.4092,
25.7274

■ 5.6049, 2.4240,
21.2917

■ 31.2606, 36.7123,
26.5578

■ 35.2551, 42.5422,
27.4726

■ 39.5873, 48.9131,
28.4740

Harmonies

Analogous

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



9.8912, 9.7698, 26.4888



12.0092, 9.7698, 22.3719



13.5327, 9.7698, 15.4163

Triad

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



12.0092, 9.7698, 22.3719



10.8315, 9.7698, 3.1369



5.8618, 9.7698, 12.4268

Complementary

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



12.0092, 9.7698, 22.3719



15.5423, 19.7037, 10.1921

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.



6.0359, 9.7698, 6.9652



12.0092, 9.7698, 22.3719



8.7058, 9.7698, 2.8490

Square

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



12.0092, 9.7698, 22.3719



12.7851, 9.7698, 4.9753



7.0090, 9.7698, 3.9506



6.4916, 9.7698, 19.4959

Rectangle

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



12.0092, 9.7698, 22.3719



13.8919, 9.7698, 10.9385



7.0090, 9.7698, 3.9506



5.8304, 9.7698, 10.3424

Sweetspot

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



12.0095, 9.7702, 22.3721



31.5383, 31.1836, 41.5493



12.5692, 14.0273, 23.1643



7.0366, 6.9176, 9.3827



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0095, 9.7702, 22.3721



18.5289, 13.8539, 38.8900



15.3090, 11.4711, 22.5265



4.2679, 4.2937, 5.4171



5.3817, 2.3281, 20.4157



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6373, 11.2776, 15.5928



23.9741, 16.9827, 24.6131



12.8668, 18.3244, 10.0669



4.4236, 4.3826, 5.0351



10.0482, 5.0390, 6.8435



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0092, 9.7698, 22.3719 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 ✓ Pass

Black Background



This preview shows how the XYZ color 12.0092, 9.7698, 22.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.0092, 9.7698, 22.3719

Background



This preview shows how black text looks on a background with the XYZ color 12.0092, 9.7698, 22.3719.



This preview shows how white text looks on a background with the XYZ color 12.0092, 9.7698,

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

12.0092, 9.7698, 22.3719

Protanopia

10.4493, 9.9246, 25.0318

Deuteranopia

10.0585, 9.9157, 21.8059



Tritanopia

9.8178, 9.7730, 11.7249

Trichromacy



Original Color

12.0092, 9.7698, 22.3719

Protanomaly

10.8667, 9.8112, 23.8753

Deuteranomaly

10.6124, 9.7195, 22.0856

Tritanomaly

10.5186, 9.7139, 14.9563

Monochromacy



Original Color

12.0092, 9.7698, 22.3719

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.4937, 10.0552, 14.7524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0092, 9.7698, 22.3719 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(100, 78, 130)` looks like.

```
.text, #text, p{  
    color:rgb(100, 78, 130)  
}
```

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(100, 78, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 78, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.0092, 9.7698, 22.3719 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(100, 78, 130) }
```


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

```
.border{ border-color:rgb(100, 78, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 78, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 78, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 78, 130);  
box-shadow:4px 4px 4px 4px rgb(100, 78,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0092, 9.7698, 22.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 78, 130) }
```

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

```
.background{ background-color: rgb(100, 78,  
130) }
```

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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