

Converting Colors

XYZ(12.3080, 10.0179, 22.5228)

Have a look what the booklet for
XYZ(12.3080, 10.0179, 22.5228)
contains.

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Color

**XYZ(12.3047, 10.0285,
22.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	664F82
RGB	102, 79, 130
RGB Percent	40%, 31%, 51%
CMY	0.6000, 0.6902, 0.4902
CMYK	0.22, 0.39, 0.00, 0.49
HSL	267°, 24%, 41%
HSV	267°, 39%, 51%
XYZ	12.3047, 10.0285, 22.4062
YIQ	91.6910, -2.6630, 20.7370

Conversions

Conversions Part 2

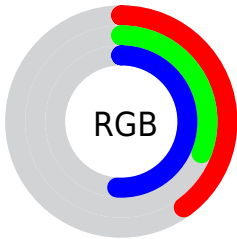
Format	Color
R_{YB}	102, 79, 130
Decimal	6705026
CIE _{Lab}	37.89, 20.64, -25.16
CIE _{LCh}	38, 32.540, 309.365
Yxy	10.0285, 0.2750, 0.2242
Android (android.graphics.Color)	4284895106 (0xFF664F82)
YUV	91.6910, 18.8863, 9.0410
Hunter-Lab	31.6678, 13.9385, -19.7825

Details

The XYZ color **12.3047, 10.0285, 22.4062** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.4577, 19.6558, 10.3769**, and the grayscale version is **10.0605, 10.5844, 11.5265**.

A 20% lighter version of the original color is **29.5928, 25.7273, 48.2059**, and **3.4882, 2.4801, 7.8843** is the 20% darker color. If you saturate the color by 10%, you get **10.6828, 7.9340, 22.0876**, and if you desaturate by 10%, it is **14.1804, 12.5265, 22.7897**.

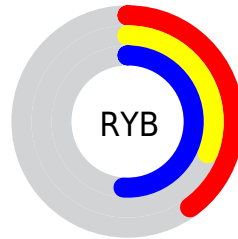
Distribution



Red (40%)

Green (31%)

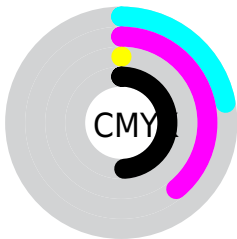
Blue (51%)



Red (40%)

Yellow (31%)

Blue (51%)

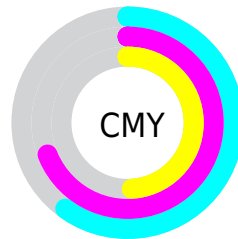


Cyan (22%)

Magenta (39%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (69%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3047, 10.0285, 22.4062 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 12.3047, 10.0285, 22.4062 by changing the saturation by 10% instead.

■ 12.3047, 10.0285,
22.4062

■ 12.3047, 10.0285,
22.4062

200.1412,
190.8754, 277.6827

■ 7.0252, 5.4179,
13.9545

■ 29.6609, 25.8491,
48.3272

■ 3.5243, 2.4945,
7.9506

■ 42.4684, 37.8278,
66.6336

■ 1.4367, 0.8739,
3.9761

■ 58.5158, 53.0314,
89.0620

■ 0.2822, 0.0000,
1.6122

■ 78.1687, 71.8442,
116.0309

■ 0.0000, 0.0000,
0.2995

■ 101.7923, 94.6506,
147.9589

■ 0.0000, 0.0000,
0.0000

129.7520,

121.8350, 185.2645

162.4132,
153.7818, 228.3662

■ 12.3047, 10.0285,
22.4062

■ 12.3047, 10.0285,
22.4062

■ 10.6828, 7.9340,
22.0876

■ 14.1804, 12.5265,
22.7897

■ 9.3011, 6.2195,
21.8295

■ 16.3203, 15.4474,
23.2407

■ 8.1463, 4.8607,
21.6280

■ 18.7357, 18.8107,
23.7626

■ 7.2032, 3.8298,
21.4788

■ 21.4366, 22.6346,
24.3583

■ 6.4543, 3.0950,
21.3764

■ 24.4327, 26.9358,
25.0306

■ 5.8543, 2.5687,
21.3065

■ 27.7331, 31.7306,
25.7821

■ 5.8108, 2.5301,
21.3013

■ 31.3466, 37.0341,
26.6154

■ 35.2814, 42.8611,
27.5327

■ 39.5457, 49.2257,
28.5364

Harmonies

Analogous

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



10.1985, 10.0285, 26.5993



12.3047, 10.0285, 22.4062



13.7932, 10.0285, 15.4816

Triad

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



12.3047, 10.0285, 22.4062



11.0143, 10.0285, 3.3177



6.1007, 10.0285, 12.8943

Complementary

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



12.3047, 10.0285, 22.4062



15.4577, 19.6558, 10.3769

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.



6.2532, 10.0285, 7.3549



12.3047, 10.0285, 22.4062



8.8948, 10.0285, 3.0611

Square

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



12.3047, 10.0285, 22.4062



12.9761, 10.0285, 5.1399



7.2103, 10.0285, 4.2349



6.7583, 10.0285, 19.9309

Rectangle

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



12.3047, 10.0285, 22.4062



14.1243, 10.0285, 11.0471



7.2103, 10.0285, 4.2349



6.0613, 10.0285, 10.7926

Sweetspot

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



12.3051, 10.0289, 22.4064



31.6481, 31.2402, 41.5544



12.5170, 13.8002, 23.1232



7.0633, 6.9313, 9.3839



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.



12.3051, 10.0289, 22.4064



19.1234, 14.3665, 38.9576



15.6451, 11.7508, 22.5627



4.2787, 4.2993, 5.4176



5.5793, 2.4299, 20.4249



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6561, 11.3998, 15.3384



24.0093, 17.2189, 24.1140



12.8349, 18.3037, 10.2542



4.4188, 4.3807, 5.0099



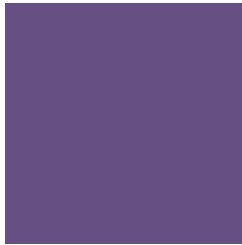
9.9326, 4.9927, 6.2349



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3047, 10.0285, 22.4062 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 12.3047, 10.0285, 22.4062 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 12.3047, 10.0285, 22.4062

Background



This preview shows how black text looks on a background with the XYZ color 12.3047, 10.0285, 22.4062.

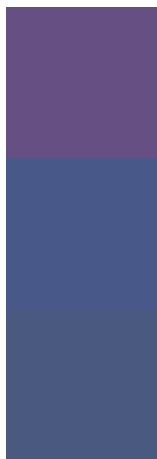


This preview shows how white text looks on a background with the XYZ color 12.3047, 10.0285,

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

12.3047, 10.0285, 22.4062

Protanopia

10.6776, 10.1633, 25.0659

Deuteranopia

10.2927, 10.1591, 21.8405



Tritanopia

10.2524, 10.1113, 12.0010

Trichromacy



Original Color

12.3047, 10.0285, 22.4062

Protanomaly

11.1189, 10.0572, 23.9095

Deuteranomaly

10.8671, 9.9668, 22.1199

Tritanomaly

10.8612, 9.9989, 15.2674

Monochromacy



Original Color

12.3047, 10.0285, 22.4062

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.8336, 10.3438, 15.0612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3047, 10.0285, 22.4062 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, 79, 130)` looks like.

```
.text, #text, p{  
    color:rgb(102, 79, 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(102, 79, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 79, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.3047, 10.0285, 22.4062 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, 79, 130) }
```


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

```
.border{ border-color:rgb(102, 79, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 79, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 79, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 79, 130);  
box-shadow:4px 4px 4px 4px rgb(102, 79,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3047, 10.0285, 22.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 79, 130) }
```

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

```
.background{ background-color: rgb(102, 79,  
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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