

Converting Colors

XYZ(12.8073, 11.6939, 22.5615)

Have a look what the booklet for
XYZ(12.8073, 11.6939, 22.5615)
contains.

XYZ(12.8074, 11.6905, 22.7006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8074, 11.6905,
22.7006)**

Conversions

Conversions Part 1	
Format	Color
Hex	625B82
RGB	98, 91, 130
RGB Percent	38%, 36%, 51%
CMY	0.6157, 0.6431, 0.4902
CMYK	0.25, 0.30, 0.00, 0.49
HSL	251°, 18%, 43%
HSV	251°, 30%, 51%
XYZ	12.8074, 11.6905, 22.7006
YIQ	97.5390, -8.3470, 13.6130

Conversions

Conversions Part 2

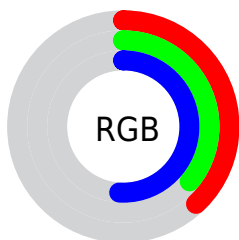
Format	Color
RYB	98, 91, 130
Decimal	6445954
CIELab	40.72, 11.85, -20.80
CIELCh	41, 23.940, 299.681
Yxy	11.6905, 0.2714, 0.2477
Android (android.graphics.Color)	4284636034 (0xFF625B82)
YUV	97.5390, 16.0033, 0.4043
Hunter-Lab	34.1914, 7.0276, -15.4303

Details

The XYZ color **12.8074, 11.6905, 22.7006** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.0395, 20.9317, 12.9873**, and the grayscale version is **11.4586, 12.0553, 13.1282**.

A 20% lighter version of the original color is **30.4665, 28.8582, 48.7642**, and **3.7017, 3.1341, 7.9992** is the 20% darker color. If you saturate the color by 10%, you get **10.7157, 9.1032, 22.3116**, and if you desaturate by 10%, it is **15.2458, 14.7429, 23.1615**.

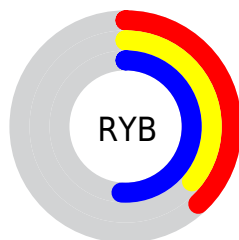
Distribution



Red (38%)

Green (36%)

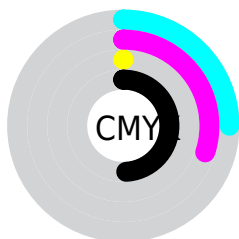
Blue (51%)



Red (38%)

Yellow (36%)

Blue (51%)

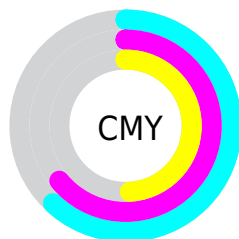


Cyan (25%)

Magenta (30%)

Yellow (0%)

Black (49%)



Cyan (62%)


Magenta (64%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8074, 11.6905, 22.7006 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 12.8074, 11.6905, 22.7006 by changing the saturation by 10% instead.


 12.8074, 11.6905,
22.7006

 12.8074, 11.6905,
22.7006


203.3423,
202.3454, 279.2554


 7.3721, 6.5333,
14.1694


 30.5616, 28.9301,
48.8182


 3.7443, 3.1720,
8.0985


 43.6113, 41.7814,
67.2416

 1.5585, 1.2222,
4.0693


 59.9297, 57.9661,
89.7996

 0.3651, 0.0797,
1.6635

 79.8824, 77.8686,
116.9105

 0.0000, 0.0000,
0.3355

 103.8347,
101.8735, 148.9930

 0.0000, 0.0000,
0.0000

132.1518,

130.3649, 186.4656

165.1992,
163.7275, 229.7469

■ 12.8074, 11.6905,
22.7006

■ 12.8074, 11.6905,
22.7006

■ 10.7157, 9.1032,
22.3116

■ 15.2458, 14.7429,
23.1615

■ 8.9537, 6.9566,
21.9902

■ 18.0446, 18.2804,
23.6967

■ 7.5043, 5.2262,
21.7326

■ 21.2183, 22.3234,
24.3099

■ 6.3489, 3.8846,
21.5345

■ 24.7802, 26.8909,
25.0037

■ 5.4665, 2.9010,
21.3912

■ 28.7427, 32.0006,
25.7812

■ 4.8331, 2.2398,
21.2969

■ 33.1181, 37.6699,
26.6448

■ 4.3905, 1.7979,
21.2350

■ 37.9177, 43.9148,
27.5973

■ 4.3904, 1.7979,
21.2350

■ 43.1528, 50.7511,
28.6409

■ 48.8338, 58.1939,
29.7781

Harmonies

Analogous

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



11.0933, 11.6905, 24.5523



12.8074, 11.6905, 22.7006



14.1741, 11.6905, 18.0554

Triad

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



12.8074, 11.6905, 22.7006



12.8421, 11.6905, 6.2445



8.1566, 11.6905, 12.6769

Complementary

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



12.8074, 11.6905, 22.7006



18.0395, 20.9317, 12.9873

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.



8.5252, 11.6905, 8.5689



12.8074, 11.6905, 22.7006



11.1297, 11.6905, 5.4825

Square

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



12.8074, 11.6905, 22.7006



14.1955, 11.6905, 8.6385



9.5723, 11.6905, 6.2121



8.5100, 11.6905, 17.9417

Rectangle

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



12.8074, 11.6905, 22.7006



14.6421, 11.6905, 14.4781



9.5723, 11.6905, 6.2121



8.1996, 11.6905, 11.1267

Sweetspot

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



12.8078, 11.6910, 22.7009



32.1977, 32.7261, 41.8123



15.4891, 18.1264, 23.8017



7.1398, 7.2195, 9.4355



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.



12.8078, 11.6910, 22.7009



19.9795, 17.3957, 39.4972



15.1068, 12.8761, 22.8085



4.1753, 4.2460, 5.4128



4.2142, 1.7262, 20.3610



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5224, 13.6584, 20.5043



27.6667, 21.4711, 34.7744



15.5802, 19.6639, 12.8722



4.4661, 4.3996, 5.2589



11.3570, 5.5625, 13.7354



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8074, 11.6905, 22.7006 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 12.8074, 11.6905, 22.7006 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 12.8074, 11.6905, 22.7006

Background



This preview shows how black text looks on a background with the XYZ color 12.8074, 11.6905, 22.7006.



This preview shows how white text looks on a background with the XYZ color 12.8074, 11.6905,

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

12.8074, 11.6905, 22.7006

Protanopia

12.0722, 11.8092, 23.8334

Deuteranopia

11.9851, 11.7956, 22.4140



Tritanopia

11.1958, 11.6924, 14.7635

Trichromacy



Original Color
12.8074, 11.6905, 22.7006

Protanomaly
12.3840, 11.8450, 23.4634

Deuteranomaly
12.2795, 11.8145, 22.4021

Tritanomaly
11.7027, 11.6306, 17.2509

Monochromacy



Original Color
12.8074, 11.6905, 22.7006

Achromatopsia
11.6093, 12.2139, 13.3009

Achromatomaly
11.9437, 11.9069, 16.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8074, 11.6905, 22.7006 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, 91, 130) looks like.

```
.text, #text, p{  
    color:rgb(98, 91, 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(98, 91, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 91, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.8074, 11.6905, 22.7006 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, 91, 130) }
```


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

```
.border{ border-color:rgb(98, 91, 130) }
```

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

Here you see how a box with a 4 pixel rgb(98, 91, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 91, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 91, 130);  
box-shadow:4px 4px 4px 4px rgb(98, 91,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8074, 11.6905, 22.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 91, 130) }
```

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

```
.background{ background-color: rgb(98, 91,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor