

Converting Colors

XYZ(13.6154, 12.2088, 22.7756)

Have a look what the booklet for
XYZ(13.6154, 12.2088, 22.7756)
contains.

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Color

**XYZ(13.6821, 12.2693,
22.7662)**

Conversions

Conversions Part 1

Format	Color
Hex	695C82
RGB	105, 92, 130
RGB Percent	41%, 36%, 51%
CMY	0.5882, 0.6392, 0.4902
CMYK	0.19, 0.29, 0.00, 0.49
HSL	261°, 17%, 44%
HSV	261°, 29%, 51%
XYZ	13.6821, 12.2693, 22.7662
YIQ	100.2190, -4.4500, 14.5740

Conversions

Conversions Part 2

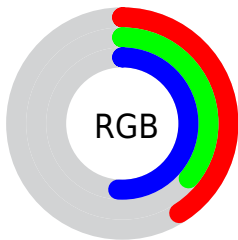
Format	Color
R_{YB}	105, 92, 130
Decimal	6904962
CIE _{Lab}	41.64, 13.59, -19.33
CIE _{LCh}	42, 23.626, 305.120
Yxy	12.2693, 0.2808, 0.2518
Android (android.graphics.Color)	4285095042 (0xFF695C82)
YUV	100.2190, 14.6820, 4.1929
Hunter-Lab	35.0276, 8.4256, -14.0163

Details

The XYZ color **13.6821, 12.2693, 22.7662** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2510, 20.5203, 13.1774**, and the grayscale version is **12.1339, 12.7658, 13.9019**.

A 20% lighter version of the original color is **32.1249, 29.9330, 48.8842**, and **4.1495, 3.4179, 8.2256** is the 20% darker color. If you saturate the color by 10%, you get **11.6966, 9.7152, 22.3781**, and if you desaturate by 10%, it is **15.9627, 15.2630, 23.2240**.

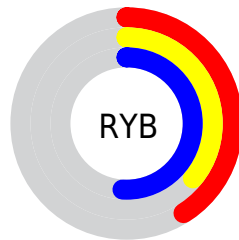
Distribution



Red (41%)

Green (36%)

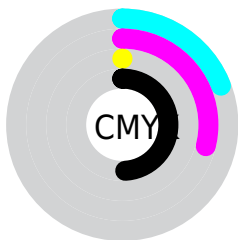
Blue (51%)



Red (41%)

Yellow (36%)

Blue (51%)

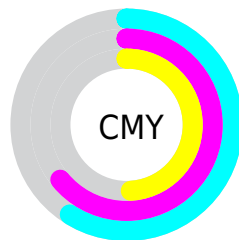


Cyan (19%)

Magenta (29%)

Yellow (0%)

Black (49%)



Cyan (59%)

Magenta (64%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6821, 12.2693, 22.7662 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 13.6821, 12.2693, 22.7662 by changing the saturation by 10% instead.

■ 13.6821, 12.2693,
22.7662

■ 13.6821, 12.2693,
22.7662

208.7945,
206.1801, 279.6048

■ 7.9801, 6.9274,
14.2173

■ 32.1149, 29.9846,
48.9275

■ 4.1339, 3.4167,
8.1315

■ 45.5764, 43.1268,
67.3769

■ 1.7782, 1.3530,
4.0902

■ 62.3551, 59.6379,
89.9636

■ 0.5045, 0.1817,
1.6750

■ 82.8164, 79.9022,
117.1061

■ 0.0000, 0.0000,
0.3435

107.3257,
104.3042, 149.2229

■ 0.0000, 0.0000,
0.0000

136.2482,

133.2282, 186.7326

169.9494,
167.0587, 230.0537

■ 13.6821, 12.2693,
22.7662

■ 13.6821, 12.2693,
22.7662

■ 11.6966, 9.7152,
22.3781

■ 15.9627, 15.2630,
23.2240

■ 9.9922, 7.5780,
22.0554

■ 18.5493, 18.7146,
23.7539

■ 8.5555, 5.8351,
21.7947

■ 21.4535, 22.6433,
24.3592

■ 7.3713, 4.4611,
21.5919

■ 24.6861, 27.0665,
25.0426

■ 6.4227, 3.4275,
21.4424

■ 28.2572, 32.0008,
25.8068

■ 5.6907, 2.7014,
21.3408

■ 32.1767, 37.4621,
26.6543

■ 5.1281, 2.1943,
21.2726

■ 36.4539, 43.4656,
27.5877

■ 5.0883, 2.1577,
21.2676

■ 41.0977, 50.0258,
28.6092

■ 46.1168, 57.1567,
29.7210

Harmonies

Analogous

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



11.9610, 12.2693, 25.2734



13.6821, 12.2693, 22.7662



14.9475, 12.2693, 17.7821

Triad

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



13.6821, 12.2693, 22.7662



13.1180, 12.2693, 6.4458



8.6520, 12.2693, 14.2276

Complementary

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



13.6821, 12.2693, 22.7662



17.2510, 20.5203, 13.1774

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.



8.8964, 12.2693, 9.7382



13.6821, 12.2693, 22.7662



11.3672, 12.2693, 5.9391

Square

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



13.6821, 12.2693, 22.7662



14.6000, 12.2693, 8.5934



9.8505, 12.2693, 6.9831



9.1466, 12.2693, 19.6242

Rectangle

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



13.6821, 12.2693, 22.7662



15.3004, 12.2693, 14.1863



9.8505, 12.2693, 6.9831



8.6510, 12.2693, 12.5649

Sweetspot

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



13.6825, 12.2698, 22.7665



32.6786, 32.9740, 41.8348



14.8436, 16.6879, 23.5581



7.2618, 7.2824, 9.4412



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.



13.6825, 12.2698, 22.7665



21.7431, 18.5700, 39.6309



16.1209, 13.5268, 22.8806



4.2368, 4.2777, 5.4156



4.8857, 2.0724, 20.3925



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2444, 13.6850, 18.6156



27.0804, 21.5224, 30.8061



14.9879, 19.3536, 13.0715



4.4376, 4.3882, 5.1088



10.4228, 5.1888, 8.8161



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6821, 12.2693, 22.7662 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 13.6821, 12.2693, 22.7662 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 13.6821, 12.2693, 22.7662

Background



This preview shows how black text looks on a background with the XYZ color 13.6821, 12.2693, 22.7662.



This preview shows how white text looks on a background with the XYZ color 13.6821, 12.2693,

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

13.6821, 12.2693, 22.7662

Protanopia

12.6023, 12.3453, 24.2729

Deuteranopia

12.5515, 12.3585, 22.4928



Tritanopia

12.1913, 12.3360, 15.1031

Trichromacy



Original Color

13.6821, 12.2693, 22.7662

Protanomaly

12.9419, 12.2576, 23.8741

Deuteranomaly

12.8785, 12.2562, 22.4558

Tritanomaly

12.6090, 12.2241, 17.6145

Monochromacy



Original Color

13.6821, 12.2693, 22.7662

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6234, 12.5219, 16.7906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6821, 12.2693, 22.7662 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(105, 92, 130)` looks like.

```
.text, #text, p{  
    color:rgb(105, 92, 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(105, 92, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 92, 130) }
```

Border

The CSS property to change the border of an element to XYZ 13.6821, 12.2693, 22.7662 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(105, 92, 130) }
```


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

```
.border{ border-color:rgb(105, 92, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 92, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 92, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 92, 130); box-shadow:4px 4px 4px 4px rgb(105, 92, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6821, 12.2693, 22.7662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 92, 130) }
```

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

```
.background{ background-color: rgb(105, 92,  
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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