

Converting Colors

XYZ(11.6939, 12.7293, 22.2627)

Have a look what the booklet for
XYZ(11.6939, 12.7293, 22.2627)
contains.

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Color

**XYZ(11.7270, 12.7955,
22.2738)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6780
RGB	76, 103, 128
RGB Percent	30%, 40%, 50%
CMY	0.7020, 0.5961, 0.4980
CMYK	0.41, 0.20, 0.00, 0.50
HSL	209°, 25%, 40%
HSV	209°, 41%, 50%
XYZ	11.7270, 12.7955, 22.2738
YIQ	97.7770, -24.1170, 2.0510

Conversions

Conversions Part 2

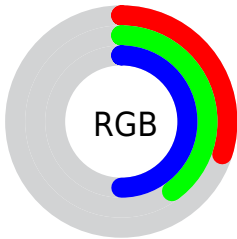
Format	Color
R_{YB}	76, 94, 128
Decimal	5007232
CIE Lab	42.45, -3.04, -17.06
CIE LCh	42, 17.331, 259.902
Yxy	12.7955, 0.2506, 0.2734
Android (android.graphics.Color)	4283197312 (0xFF4C6780)
YUV	97.7770, 14.8999, -19.0984
Hunter-Lab	35.7708, -4.0799, -11.8792

Details

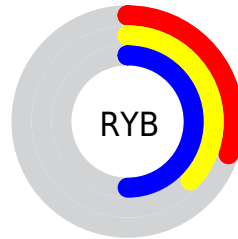
The XYZ color **11.7270, 12.7955, 22.2738** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.8605, 14.4186, 8.8377**, and the grayscale version is **11.5229, 12.1230, 13.2019**.

A 20% lighter version of the original color is **28.6485, 30.9594, 48.1819**, and **3.2775, 3.6259, 7.9243** is the 20% darker color. If you saturate the color by 10%, you get **10.2198, 11.1433, 22.0346**, and if you desaturate by 10%, it is **13.4824, 14.6431, 22.5381**.

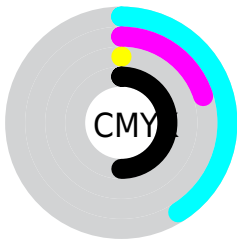
Distribution



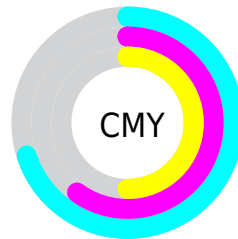
- Red (30%)
- Green (40%)
- Blue (50%)



- Red (30%)
- Yellow (37%)
- Blue (50%)



- Cyan (41%)
- Magenta (20%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7270, 12.7955, 22.2738 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 11.7270, 12.7955, 22.2738 by changing the saturation by 10% instead.

■ 11.7270, 12.7955,
22.2738

■ 11.7270, 12.7955,
22.2738

196.3965,
209.6029, 276.9728

■ 6.6289, 7.2879,
13.8580

■ 28.6181, 30.9359,
48.1061

■ 3.2754, 3.6428,
7.8843

■ 41.1418, 44.3375,
66.3597

■ 1.3010, 1.4758,
3.9343

■ 56.8715, 61.1391,
88.7295

■ 0.1840, 0.2716,
1.5894

■ 76.1725, 81.7253,
115.6343

■ 0.0000, 0.0000,
0.2832

■ 99.4102, 106.4804,
147.4925

■ 0.0000, 0.0000,
0.0000

126.9498,

135.7887, 184.7226

159.1568,
170.0348, 227.7432

■ 11.7270, 12.7955,
22.2738

■ 11.7270, 12.7955,
22.2738

■ 10.2198, 11.1433,
22.0346

■ 13.4824, 14.6431,
22.5381

■ 8.9466, 9.6769,
21.8186

■ 15.4969, 16.6923,
22.8275

■ 7.8935, 8.3880,
21.6253

■ 17.7820, 18.9505,
23.1429

■ 7.0443, 7.2666,
21.4537

■ 20.3482, 21.4247,
23.4852

■ 6.3804, 6.3017,
21.3024

■ 23.2054, 24.1210,
23.8551

■ 5.8717, 5.5093,
21.1763

■ 26.3630, 27.0457,
24.2532

■ 29.8299, 30.2045,
24.6802

■ 33.6148, 33.6030,
25.1367

■ 37.7259, 37.2466,
25.6233

Harmonies

Analogous

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



10.6158, 12.7955, 20.1850



11.7270, 12.7955, 22.2738



13.0362, 12.7955, 21.8419

Triad

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



11.7270, 12.7955, 22.2738



14.6774, 12.7955, 11.6259



10.3412, 12.7955, 9.7965

Complementary

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



11.7270, 12.7955, 22.2738



14.8605, 14.4186, 8.8377

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.



11.3273, 12.7955, 8.2078



11.7270, 12.7955, 22.2738



13.8509, 12.7955, 9.1257

Square

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



11.7270, 12.7955, 22.2738



14.8036, 12.7955, 15.2307



12.6071, 12.7955, 7.9864



9.8545, 12.7955, 12.7095

Rectangle

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



11.7270, 12.7955, 22.2738



13.8437, 12.7955, 20.2053



12.6071, 12.7955, 7.9864



10.6219, 12.7955, 9.1137

Sweetspot

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



11.7274, 12.7960, 22.2741



30.6092, 32.6822, 40.6513



13.0132, 17.9004, 14.8940



7.0653, 7.5525, 9.5037



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.



11.7274, 12.7960, 22.2741



18.1152, 19.7559, 38.8148



9.5826, 8.5063, 21.5592



4.2791, 4.5522, 5.4664



5.8236, 5.4656, 20.9980



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9351, 10.7377, 14.1706



22.6968, 16.0282, 21.8752



17.7019, 20.1013, 9.7848



4.4137, 4.3786, 4.9831



9.8164, 4.9463, 5.6231



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7270, 12.7955, 22.2738 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 11.7270, 12.7955, 22.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

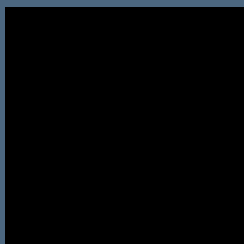
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

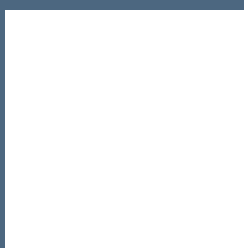
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7270, 12.7955, 22.2738

Background



This preview shows how black text looks on a background with the XYZ color 11.7270, 12.7955, 22.2738.



This preview shows how white text looks on a background with the XYZ color 11.7270, 12.7955,

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

11.7270, 12.7955, 22.2738

Protanopia

12.7796, 12.7840, 21.1960

Deuteranopia

12.9462, 12.7000, 22.5379



Tritanopia

10.7613, 12.6958, 17.8029

Trichromacy



Original Color

11.7270, 12.7955, 22.2738

Protanomaly

12.2535, 12.6469, 21.5339

Deuteranomaly

12.4501, 12.7256, 22.5690

Tritanomaly

11.0277, 12.6490, 19.3130

Monochromacy



Original Color

11.7270, 12.7955, 22.2738

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5339, 12.3921, 16.2520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7270, 12.7955, 22.2738 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(76, 103, 128)` looks like.

```
.text, #text, p{  
    color:rgb(76, 103, 128)  
}
```

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(76, 103, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 103, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.7270, 12.7955, 22.2738 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(76, 103, 128) }
```


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

```
.border{ border-color:rgb(76, 103, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 103, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 103, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 103, 128);  
box-shadow:4px 4px 4px 4px rgb(76, 103,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7270, 12.7955, 22.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 103, 128) }
```

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

```
.background{ background-color: rgb(76, 103,  
128) }
```

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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