

Converting Colors

XYZ(11.6019, 12.5373, 22.0585)

Have a look what the booklet for
XYZ(11.6019, 12.5373, 22.0585)
contains.

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Color

**XYZ(11.7082, 12.6390,
22.2446)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6680
RGB	77, 102, 128
RGB Percent	30%, 40%, 50%
CMY	0.6980, 0.6000, 0.4980
CMYK	0.40, 0.20, 0.00, 0.50
HSL	211°, 25%, 40%
HSV	211°, 40%, 50%
XYZ	11.7082, 12.6390, 22.2446
YIQ	97.4890, -23.2460, 2.7860

Conversions

Conversions Part 2

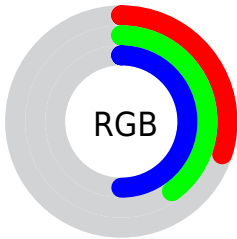
Format	Color
R_{YB}	77, 94, 128
Decimal	5072512
CIE _{Lab}	42.21, -2.14, -17.42
CIE _{LCh}	42, 17.554, 262.997
Yxy	12.6390, 0.2513, 0.2713
Android (android.graphics.Color)	4283262592 (0xFF4D6680)
YUV	97.4890, 15.0419, -17.9689
Hunter-Lab	35.5514, -3.4292, -12.2120

Details

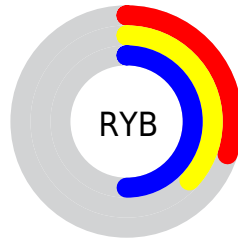
The XYZ color **11.7082, 12.6390, 22.2446** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.0922, 14.8258, 9.0878**, and the grayscale version is **11.4512, 12.0475, 13.1198**.

A 20% lighter version of the original color is **28.6338, 30.7079, 48.1341**, and **3.2564, 3.5438, 7.9095** is the 20% darker color. If you saturate the color by 10%, you get **10.1591, 10.9258, 21.9958**, and if you desaturate by 10%, it is **13.5119, 14.5590, 22.5203**.

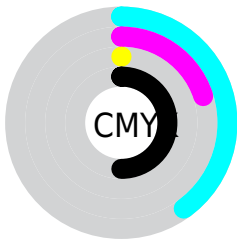
Distribution



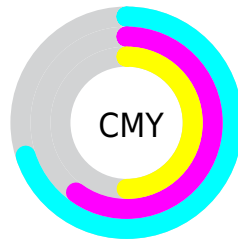
- Red (30%)
- Green (40%)
- Blue (50%)



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



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7082, 12.6390, 22.2446 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 11.7082, 12.6390, 22.2446 by changing the saturation by 10% instead.

■ 11.7082, 12.6390,
22.2446

■ 11.7082, 12.6390,
22.2446

196.2734,
208.5909, 276.8160

■ 6.6161, 7.1804,
13.8367

■ 28.5840, 30.6537,
48.0573

■ 3.2674, 3.5752,
7.8697

■ 41.0984, 43.9786,
66.2992

■ 1.2967, 1.4389,
3.9251

■ 56.8177, 60.6944,
88.6561

■ 0.1807, 0.2451,
1.5844

■ 76.1071, 81.1855,
115.5467

■ 0.0000, 0.0000,
0.2796

■ 99.3320, 105.8364,
147.3895

■ 0.0000, 0.0000,
0.0000

126.8578,

135.0313, 184.6029

159.0498,
169.1547, 227.6056

■ 11.7082, 12.6390,
22.2446

■ 11.7082, 12.6390,
22.2446

■ 10.1591, 10.9258,
21.9958

■ 13.5119, 14.5590,
22.5203

■ 8.8502, 9.4094,
21.7721

■ 15.5811, 16.6921,
22.8230

■ 7.7675, 8.0811,
21.5728

■ 17.9274, 19.0464,
23.1538

■ 6.8948, 6.9306,
21.3967

■ 20.5616, 21.6288,
23.5134

■ 6.2136, 5.9466,
21.2427

■ 23.4936, 24.4461,
23.9027

■ 5.6680, 5.0981,
21.1076

■ 26.7329, 27.5045,
24.3223

■ 5.6598, 5.0855,
21.1056

■ 30.2886, 30.8103,
24.7730

■ 34.1695, 34.3694,
25.2554

■ 38.3838, 38.1872,
25.7702

Harmonies

Analogous

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



10.5585, 12.6390, 20.3711



11.7082, 12.6390, 22.2446



13.0252, 12.6390, 21.5361

Triad

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



11.7082, 12.6390, 22.2446



14.4865, 12.6390, 11.1291



10.1099, 12.6390, 9.8573

Complementary

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



11.7082, 12.6390, 22.2446



15.0922, 14.8258, 9.0878

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.



11.0547, 12.6390, 8.1276



11.7082, 12.6390, 22.2446



13.5952, 12.6390, 8.7632

Square

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



11.7082, 12.6390, 22.2446



14.6932, 12.6390, 14.6610



12.3230, 12.6390, 7.7670



9.6803, 12.6390, 12.9000

Rectangle

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



11.7082, 12.6390, 22.2446



13.8157, 12.6390, 19.7472



12.3230, 12.6390, 7.7670



10.3743, 12.6390, 9.1273

Sweetspot

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



11.7086, 12.6395, 22.2449



30.5123, 32.4885, 40.6190



13.2032, 17.9857, 15.4769



7.0408, 7.5037, 9.4956



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.



11.7086, 12.6395, 22.2449



18.0730, 19.4470, 38.7574



9.6111, 8.4444, 21.5457



4.2693, 4.5326, 5.4631



5.6134, 5.0453, 20.9279



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9546, 10.8566, 13.9309



22.7304, 16.2515, 21.4047



17.9611, 20.5637, 10.0441



4.4088, 4.3767, 4.9570



9.7104, 4.9038, 5.0645



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7082, 12.6390, 22.2446 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 11.7082, 12.6390, 22.2446 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

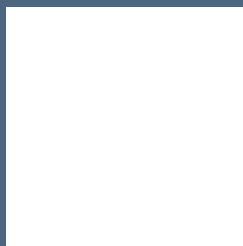
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7082, 12.6390, 22.2446

Background



This preview shows how black text looks on a background with the XYZ color 11.7082, 12.6390, 22.2446.

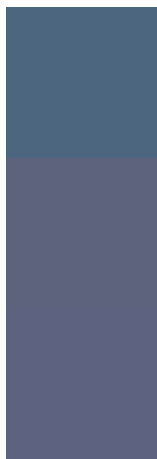


This preview shows how white text looks on a background with the XYZ color 11.7082, 12.6390,

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

11.7082, 12.6390, 22.2446

Protanopia

12.5836, 12.5432, 21.1599

Deuteranopia

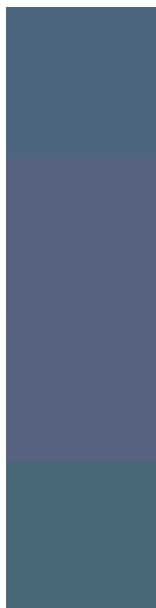
12.8443, 12.6475, 22.5331



Tritanopia

10.7799, 12.7119, 17.5083

Trichromacy



Original Color

11.7082, 12.6390, 22.2446

Protanomaly

12.1582, 12.4563, 21.5022

Deuteranomaly

12.3548, 12.5349, 22.5372

Tritanomaly

11.0444, 12.6645, 19.0019

Monochromacy



Original Color

11.7082, 12.6390, 22.2446

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.3851, 12.1800, 15.9383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7082, 12.6390, 22.2446 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(77, 102, 128)` looks like.

```
.text, #text, p{  
    color:rgb(77, 102, 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(77, 102, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 102, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.7082, 12.6390, 22.2446 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(77, 102, 128) }
```


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

```
.border{ border-color:rgb(77, 102, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 102, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 102, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 102, 128);  
box-shadow:4px 4px 4px 4px rgb(77, 102,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7082, 12.6390, 22.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 102, 128) }
```

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

```
.background{ background-color: rgb(77, 102,  
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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