

Converting Colors

XYZ(12.3839, 12.6991, 22.2205)

Have a look what the booklet for
XYZ(12.3839, 12.6991, 22.2205)
contains.

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Color

**XYZ(12.3839, 12.6991,
22.2205)**

Conversions

Conversions Part 1

Format	Color
Hex	576480
RGB	87, 100, 128
RGB Percent	34%, 39%, 50%
CMY	0.6588, 0.6078, 0.4980
CMYK	0.32, 0.22, 0.00, 0.50
HSL	221°, 19%, 42%
HSV	221°, 32%, 50%
XYZ	12.3839, 12.6991, 22.2205
YIQ	99.3050, -16.7360, 5.9520

Conversions

Conversions Part 2

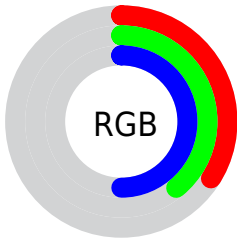
Format	Color
R_{YB}	87, 97, 128
Decimal	5727360
CIE _{Lab}	42.31, 2.16, -17.22
CIE _{LCh}	42, 17.357, 277.146
Yxy	12.6991, 0.2618, 0.2685
Android (android.graphics.Color)	4283917440 (0xFF576480)
YUV	99.3050, 14.1466, -10.7915
Hunter-Lab	35.6358, -0.3316, -12.0249

Details

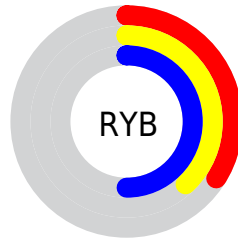
The XYZ color **12.3839, 12.6991, 22.2205** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.7532, 17.5388, 11.5195**, and the grayscale version is **11.9054, 12.5254, 13.6402**.

A 20% lighter version of the original color is **29.8883, 30.8727, 48.0998**, and **3.6055, 3.6540, 7.9124** is the 20% darker color. If you saturate the color by 10%, you get **10.4993, 10.5493, 21.9051**, and if you desaturate by 10%, it is **14.5712, 15.1391, 22.5764**.

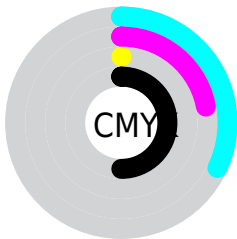
Distribution



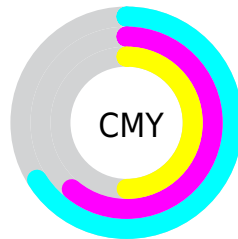
- Red (34%)
- Green (39%)
- Blue (50%)



- Red (34%)
- Yellow (38%)
- Blue (50%)



- Cyan (32%)
- Magenta (22%)
- Yellow (0%)
- Black (50%)



- Cyan (66%)
- Magenta (61%)
- Yellow (50%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3839, 12.6991, 22.2205 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 12.3839, 12.6991, 22.2205 by changing the saturation by 10% instead.

■ 12.3839, 12.6991,
22.2205

■ 12.3839, 12.6991,
22.2205

200.6489,
208.9801, 276.6866

■ 7.0797, 7.2217,
13.8191

■ 29.8032, 30.7621,
48.0170

■ 3.5588, 3.6011,
7.8577

■ 42.6491, 44.1165,
66.2493

■ 1.4557, 1.4530,
3.9175

■ 58.7396, 60.8654,
88.5956

■ 0.2954, 0.2553,
1.5802

■ 78.4401, 81.3931,
115.4744

■ 0.0000, 0.0000,
0.2766

■ 102.1159,
106.0840, 147.3044

■ 0.0000, 0.0000,
0.0000

130.1324,

135.3226, 184.5041

162.8550,
169.4931, 227.4920

■ 12.3839, 12.6991,
22.2205

■ 12.3839, 12.6991,
22.2205

■ 10.4993, 10.5493,
21.9051

■ 14.5712, 15.1391,
22.5764

■ 8.9022, 8.6767,
21.6278

■ 17.0731, 17.8787,
22.9733

■ 7.5778, 7.0697,
21.3874

■ 19.9023, 20.9283,
23.4129

■ 6.5094, 5.7149,
21.1823

■ 23.0703, 24.2977,
23.8962

■ 5.6783, 4.5979,
21.0104

■ 26.5882, 27.9962,
24.4247

■ 5.0629, 3.7021,
20.8700

■ 30.4665, 32.0325,
24.9994

■ 4.6751, 3.1161,
20.7773

■ 34.7154, 36.4153,
25.6214

■ 39.3443, 41.1526,
26.2918

■ 44.3627, 46.2524,
27.0117

Harmonies

Analogous

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



11.1247, 12.6991, 21.5327



12.3839, 12.6991, 22.2205



13.6441, 12.6991, 20.3577

Triad

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



12.3839, 12.6991, 22.2205



14.1752, 12.6991, 9.9376



9.9092, 12.6991, 11.2279

Complementary

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



12.3839, 12.6991, 22.2205



16.7532, 17.5388, 11.5195

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.



10.6221, 12.6991, 8.8680



12.3839, 12.6991, 22.2205



13.0676, 12.6991, 8.2217

Square

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



12.3839, 12.6991, 22.2205



14.7254, 12.6991, 12.9552



11.7617, 12.6991, 7.8687



9.7549, 12.6991, 14.7374

Rectangle

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



12.3839, 12.6991, 22.2205



14.2951, 12.6991, 18.0878



11.7617, 12.6991, 7.8687



10.0888, 12.6991, 10.2944

Sweetspot

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



12.3843, 12.6996, 22.2208



30.9133, 32.4038, 40.5815



14.7062, 18.6873, 18.8514



7.1059, 7.4437, 9.4806



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.



12.3843, 12.6996, 22.2208



19.4771, 19.7146, 38.7350



11.9038, 10.7461, 21.8691



4.2115, 4.4171, 5.4439



4.6368, 3.0921, 20.6024



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6108, 12.3260, 13.6662



24.0592, 19.1573, 21.0825



17.3482, 20.2037, 12.0025



4.3796, 4.3650, 4.8035



9.2174, 4.7067, 2.4687



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3839, 12.6991, 22.2205 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 12.3839, 12.6991, 22.2205 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

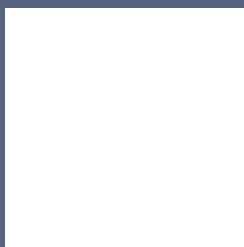
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3839, 12.6991, 22.2205

Background



This preview shows how black text looks on a background with the XYZ color 12.3839, 12.6991, 22.2205.

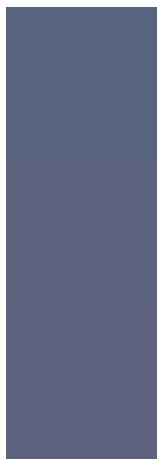


This preview shows how white text looks on a background with the XYZ color 12.3839, 12.6991,

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

12.3839, 12.6991, 22.2205

Protanopia

12.7062, 12.7313, 21.8664

Deuteranopia

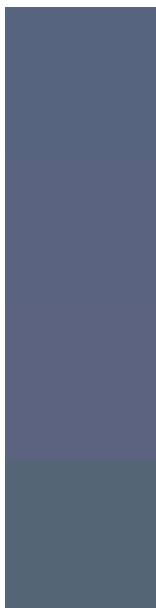
12.8801, 12.6736, 22.1895



Tritanopia

11.2868, 12.6872, 16.8929

Trichromacy



Original Color

12.3839, 12.6991, 22.2205

Protanomaly

12.5091, 12.6296, 21.8571

Deuteranomaly

12.6725, 12.7063, 22.2067

Tritanomaly

11.6184, 12.6719, 18.6632

Monochromacy



Original Color

12.3839, 12.6991, 22.2205

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9956, 12.4824, 16.5290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3839, 12.6991, 22.2205 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(87, 100, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 100, 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(87, 100, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 100, 128) }
```

Border

The CSS property to change the border of an element to XYZ 12.3839, 12.6991, 22.2205 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(87, 100, 128) }
```


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

```
.border{ border-color:rgb(87, 100, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 100, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 100, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 100, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 100,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3839, 12.6991, 22.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 100, 128) }
```

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

```
.background{ background-color: rgb(87, 100,  
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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