

Converting Colors

XYZ(12.6222, 14.8600, 20.9419)

Have a look what the booklet for
XYZ(12.6222, 14.8600, 20.9419)
contains.

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Color

**XYZ(12.6222, 14.8600,
20.9419)**

Conversions

Conversions Part 1

Format	Color
Hex	4E717B
RGB	78, 113, 123
RGB Percent	31%, 44%, 48%
CMY	0.6941, 0.5569, 0.5176
CMYK	0.37, 0.08, 0.00, 0.52
HSL	193°, 22%, 39%
HSV	193°, 37%, 48%
XYZ	12.6222, 14.8600, 20.9419
YIQ	103.6750, -24.0700, -4.3100

Conversions

Conversions Part 2

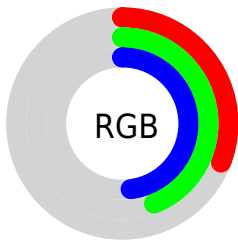
Format	Color
R_{YB}	78, 98, 123
Decimal	5140859
CIE _{Lab}	45.44, -9.74, -9.51
CIE _{LCh}	45, 13.615, 224.322
Yxy	14.8600, 0.2607, 0.3069
Android (android.graphics.Color)	4283330939 (0xFF4E717B)
YUV	103.6750, 9.5272, -22.5170
Hunter-Lab	38.5487, -9.0130, -5.2257

Details

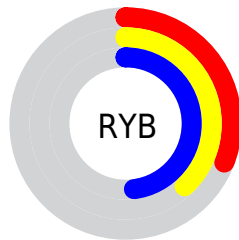
The XYZ color **12.6222, 14.8600, 20.9419** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0336, 11.7408, 8.7875**, and the grayscale version is **13.0517, 13.7314, 14.9535**.

A 20% lighter version of the original color is **30.2463, 34.6725, 45.6558**, and **3.6330, 4.5362, 7.1627** is the 20% darker color. If you saturate the color by 10%, you get **11.4070, 13.7880, 20.7993**, and if you desaturate by 10%, it is **14.0361, 16.0488, 21.0971**.

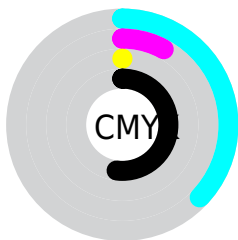
Distribution



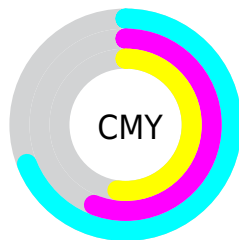
- Red (31%)
- Green (44%)
- Blue (48%)



- Red (31%)
- Yellow (38%)
- Blue (48%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (52%)



- Cyan (69%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6222, 14.8600, 20.9419 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 12.6222, 14.8600, 20.9419 by changing the saturation by 10% instead.

■ 12.6222, 14.8600,
20.9419

■ 12.6222, 14.8600,
20.9419

202.1689,
222.5173, 269.7405

■ 7.2441, 8.7212,
12.8907

■ 30.2305, 34.6074,
45.8704

■ 3.6629, 4.5598,
7.2235

■ 43.1914, 48.9848,
63.5847

■ 1.5133, 1.9914,
3.5217

■ 59.4106, 66.8771,
85.3572

■ 0.3348, 0.6024,
1.3668

■ 79.2535, 88.6688,
111.6063

■ 0.0000, 0.0000,
0.1156

■ 103.0854,
114.7443, 142.7507

■ 0.0000, 0.0000,
0.0000

131.2717,

145.4879, 179.2088

164.1778,
181.2841, 221.3992

■ 12.6222, 14.8600,
20.9419

■ 12.6222, 14.8600,
20.9419

■ 11.4070, 13.7880,
20.7993

■ 14.0361, 16.0488,
21.0971

■ 10.3784, 12.8254,
20.6677

■ 15.6570, 17.3576,
21.2643

■ 9.5252, 11.9666,
20.5469

■ 17.4945, 18.7921,
21.4443

■ 8.8345, 11.2048,
20.4363

■ 19.5573, 20.3566,
21.6376

■ 8.2913, 10.5322,
20.3351

■ 21.8534, 22.0555,
21.8445

■ 7.8659, 9.9334,
20.2419

■ 24.3905, 23.8928,
22.0654

■ 7.7280, 9.7356,
20.2110

■ 27.1758, 25.8725,
22.3007

■ 30.2165, 27.9982,
22.5508

■ 33.5192, 30.2735,
22.8159

Harmonies

Analogous

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



12.1168, 14.8600, 17.7728



12.6222, 14.8600, 20.9419



13.5435, 14.8600, 22.9603

Triad

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



12.6222, 14.8600, 20.9419



16.3268, 14.8600, 17.9250



13.5920, 14.8600, 10.8569

Complementary

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



12.6222, 14.8600, 20.9419



13.0336, 11.7408, 8.7875

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.



14.7208, 14.8600, 10.8862



12.6222, 14.8600, 20.9419



16.3414, 14.8600, 14.6853

Square

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



12.6222, 14.8600, 20.9419



15.7013, 14.8600, 21.0661



15.7404, 14.8600, 12.2009



12.6560, 14.8600, 12.1147

Rectangle

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



12.6222, 14.8600, 20.9419



14.2888, 14.8600, 23.2320



15.7404, 14.8600, 12.2009



13.9605, 14.8600, 10.7225

Sweetspot

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



12.6227, 14.8606, 20.9422



29.7364, 32.4190, 38.2468



11.9764, 16.4864, 11.7298



6.9193, 7.5695, 8.9994



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.6227, 14.8606, 20.9422



20.7319, 24.9662, 37.2829



10.4372, 10.4898, 20.2138



4.0351, 4.3686, 5.0737



7.9903, 10.0631, 20.9065



37.4620, 46.6966, 99.5087

Inverse Universe

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



13.8738, 10.8525, 16.9869



23.3871, 16.8896, 28.7925



15.1468, 15.9673, 9.4919



4.1182, 4.0630, 4.8200



10.6165, 5.2227, 11.8032



50.3122, 24.7812, 54.5676

Previews

White Background



This preview shows how the XYZ color 12.6222, 14.8600, 20.9419 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 12.6222, 14.8600, 20.9419 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 12.6222, 14.8600, 20.9419

Background



This preview shows how black text looks on a background with the XYZ color 12.6222, 14.8600, 20.9419.



This preview shows how white text looks on a background with the XYZ color 12.6222, 14.8600,

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

12.6222, 14.8600, 20.9419

Protanopia

14.4277, 14.7041, 19.5305

Deuteranopia

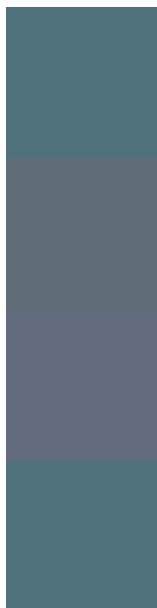
15.0599, 14.8350, 21.4717



Tritanopia

12.5599, 14.8351, 20.6138

Trichromacy



Original Color

12.6222, 14.8600, 20.9419

Protanomaly

13.6827, 14.7801, 19.9010

Deuteranomaly

14.0377, 14.7770, 21.1812

Tritanomaly

12.5599, 14.8351, 20.6138

Monochromacy



Original Color

12.6222, 14.8600, 20.9419

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8463, 14.0960, 17.0827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6222, 14.8600, 20.9419 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(78, 113, 123)` looks like.

```
.text, #text, p{  
    color:rgb(78, 113, 123)  
}
```

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(78, 113, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 113, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.6222, 14.8600, 20.9419 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(78, 113, 123) }
```


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

```
.border{ border-color:rgb(78, 113, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 113, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 113, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 113, 123);  
box-shadow:4px 4px 4px 4px rgb(78, 113,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6222, 14.8600, 20.9419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 113, 123) }
```

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

```
.background{ background-color: rgb(78, 113,  
123) }
```

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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