

Converting Colors

XYZ(12.6460, 13.1159, 19.4104)

Have a look what the booklet for
XYZ(12.6460, 13.1159, 19.4104)
contains.

XYZ(12.6972, 13.2143, 19.3342)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.6972, 13.2143,
19.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6677
RGB	94, 102, 119
RGB Percent	37%, 40%, 47%
CMY	0.6314, 0.6000, 0.5333
CMYK	0.21, 0.14, 0.00, 0.53
HSL	221°, 12%, 42%
HSV	221°, 21%, 47%
XYZ	12.6972, 13.2143, 19.3342
YIQ	101.5460, -10.2250, 3.5910

Conversions

Conversions Part 2

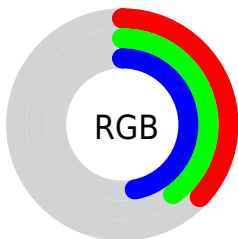
Format	Color
R _Y B	94, 100, 119
Decimal	6186615
CIE Lab	43.08, 0.93, -10.54
CIE LCh	43, 10.584, 275.015
Yxy	13.2143, 0.2806, 0.2921
Android (android.graphics.Color)	4284376695 (0xFF5E6677)
YUV	101.5460, 8.6048, -6.6178
Hunter-Lab	36.3515, -1.2669, -6.0884

Details

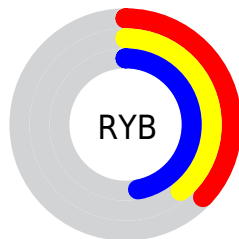
The XYZ color **12.6972, 13.2143, 19.3342** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3127, 16.0990, 12.8903**, and the grayscale version is **12.4916, 13.1421, 14.3117**.

A 20% lighter version of the original color is **30.4190, 31.7425, 43.0517**, and **3.6758, 3.7916, 6.4994** is the 20% darker color. If you saturate the color by 10%, you get **10.8131, 11.1198, 19.0294**, and if you desaturate by 10%, it is **14.8480, 15.5621, 19.6742**.

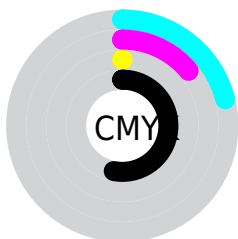
Distribution



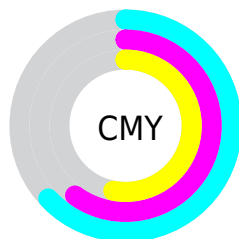
- Red (37%)
- Green (40%)
- Blue (47%)



- Red (37%)
- Yellow (39%)
- Blue (47%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (53%)



- Cyan (63%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6972, 13.2143, 19.3342 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 12.6972, 13.2143, 19.3342 by changing the saturation by 10% instead.

■ 12.6972, 13.2143,
19.3342

■ 12.6972, 13.2143,
19.3342

202.6449,
212.2866, 260.7715

■ 7.2959, 7.5763,
11.7328

■ 30.3647, 31.6882,
43.1423

■ 3.6958, 3.8250,
6.4417

■ 43.3616, 45.2930,
60.1859

■ 1.5315, 1.5762,
3.0423

■ 59.6211, 62.3220,
81.2141

■ 0.3471, 0.3415,
1.1163

■ 79.5085, 83.1599,
106.6454

■ 0.0000, 0.0000,
0.0000

103.3893,
108.1908, 136.8982

131.6287,

137.7993, 172.3911

164.5921,
172.3698, 213.5427

■ 12.6972, 13.2143,
19.3342

■ 12.6972, 13.2143,
19.3342

■ 10.8131, 11.1198,
19.0294

■ 14.8480, 15.5621,
19.6742

■ 9.1835, 9.2683,
18.7579

■ 17.2743, 18.1701,
20.0497

■ 7.7974, 7.6507,
18.5188

■ 19.9862, 21.0467,
20.4620

■ 6.6422, 6.2571,
18.3107

■ 22.9929, 24.1996,
20.9122

■ 5.7041, 5.0765,
18.1322

■ 26.3030, 27.6361,
21.4010

■ 4.9680, 4.0972,
17.9820

■ 29.9250, 31.3633,
21.9295

■ 4.4162, 3.3056,
17.8583

■ 33.8668, 35.3879,
22.4986

■ 4.0257, 2.7237,
17.7666

■ 38.1362, 39.7166,
23.1091

■ 42.7406, 44.3555,
23.7618

Harmonies

Analogous

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



11.9099, 13.2143, 18.8482



12.6972, 13.2143, 19.3342



13.4800, 13.2143, 18.3826

Triad

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



12.6972, 13.2143, 19.3342



13.8865, 13.2143, 11.9651



11.1932, 13.2143, 12.5758

Complementary

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



12.6972, 13.2143, 19.3342



15.3127, 16.0990, 12.8903

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.



11.6825, 13.2143, 11.0187



12.6972, 13.2143, 19.3342



13.2329, 13.2143, 10.6938

Square

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



12.6972, 13.2143, 19.3342



14.1853, 13.2143, 13.9996



12.4234, 13.2143, 10.3669



11.0635, 13.2143, 14.7838

Rectangle

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



12.6972, 13.2143, 19.3342



13.8870, 13.2143, 17.1158



12.4234, 13.2143, 10.3669



11.3200, 13.2143, 11.9669

Sweetspot

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



12.6976, 13.2148, 19.3345



28.6351, 30.0755, 35.5490



14.0641, 16.7140, 17.4280



6.7357, 7.0732, 8.4169



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6976, 13.2148, 19.3345



21.1181, 21.8728, 34.3619



12.3877, 11.9435, 19.1054



3.5875, 3.7636, 4.6276



4.2689, 2.8776, 18.8730



20.1069, 12.6303, 91.7384

Inverse Universe

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



14.0090, 12.8869, 14.3200



23.9151, 21.2550, 23.6489



15.6658, 17.6356, 13.1682



3.7278, 3.7184, 4.0934



8.4519, 4.3145, 2.3219



40.8358, 20.8844, 9.4645

Previews

White Background



This preview shows how the XYZ color 12.6972, 13.2143, 19.3342 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 12.6972, 13.2143, 19.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

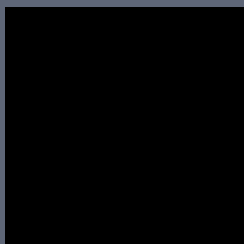
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

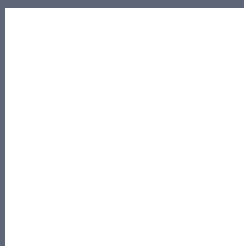
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6972, 13.2143, 19.3342

Background



This preview shows how black text looks on a background with the XYZ color 12.6972, 13.2143, 19.3342.

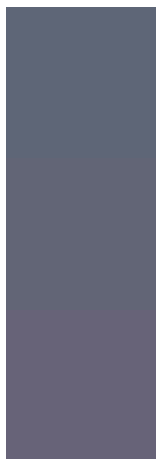


This preview shows how white text looks on a background with the XYZ color 12.6972, 13.2143,

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

12.6972, 13.2143, 19.3342

Protanopia

12.9607, 13.2120, 19.0066

Deuteranopia

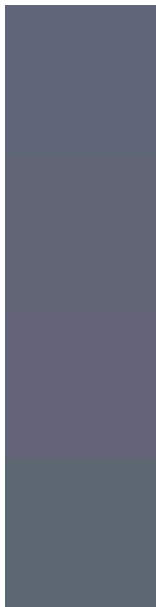
13.4455, 13.1633, 19.6014



Tritanopia

12.2337, 13.1753, 16.9372

Trichromacy



Original Color

12.6972, 13.2143, 19.3342

Protanomaly

12.8535, 13.1568, 19.0016

Deuteranomaly

13.2029, 13.1797, 19.6174

Tritanomaly

12.4017, 13.2426, 17.8220

Monochromacy



Original Color

12.6972, 13.2143, 19.3342

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6037, 13.2381, 16.0783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6972, 13.2143, 19.3342 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(94, 102, 119) looks like.

```
.text, #text, p{  
    color:rgb(94, 102, 119)  
}
```

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(94, 102, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.6972, 13.2143, 19.3342 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(94, 102, 119) }
```


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

```
.border{ border-color:rgb(94, 102, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 102, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(94, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6972, 13.2143, 19.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 102, 119) }
```

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

```
.background{ background-color: rgb(94, 102,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor