

Converting Colors

XYZ(12.9732, 13.2199, 21.2532)

Have a look what the booklet for
XYZ(12.9732, 13.2199, 21.2532)
contains.

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Color

**XYZ(12.9714, 13.1677,
21.2600)**

Conversions

Conversions Part 1

Format	Color
Hex	5E657D
RGB	94, 101, 125
RGB Percent	37%, 40%, 49%
CMY	0.6314, 0.6039, 0.5098
CMYK	0.25, 0.19, 0.00, 0.51
HSL	226°, 14%, 43%
HSV	226°, 25%, 49%
XYZ	12.9714, 13.1677, 21.2600
YIQ	101.6430, -11.8760, 5.9800

Conversions

Conversions Part 2

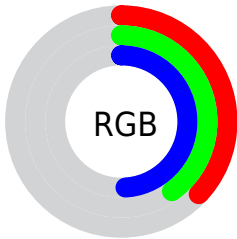
Format	Color
R _Y B	94, 100, 125
Decimal	6186365
CIE Lab	43.01, 3.05, -14.28
CIE LCh	43, 14.601, 282.065
Yxy	13.1677, 0.2737, 0.2778
Android (android.graphics.Color)	4284376445 (0xFF5E657D)
YUV	101.6430, 11.5150, -6.7029
Hunter-Lab	36.2873, 0.3044, -9.3357

Details

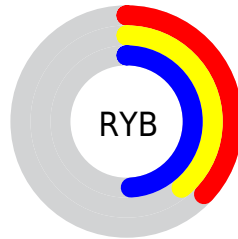
The XYZ color **12.9714, 13.1677, 21.2600** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9563, 18.1249, 13.1947**, and the grayscale version is **12.5097, 13.1612, 14.3326**.

A 20% lighter version of the original color is **30.9412, 31.6906, 46.6056**, and **3.7960, 3.7645, 7.3640** is the 20% darker color. If you saturate the color by 10%, you get **10.9071, 10.7902, 20.9101**, and if you desaturate by 10%, it is **15.3548, 15.8746, 21.6571**.

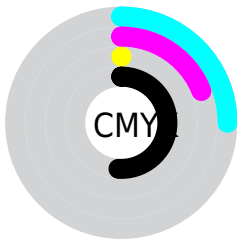
Distribution



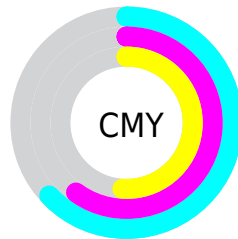
- Red (37%)
- Green (40%)
- Blue (49%)



- Red (37%)
- Yellow (39%)
- Blue (49%)



- Cyan (25%)
- Magenta (19%)
- Yellow (0%)
- Black (51%)



- Cyan (63%)
- Magenta (60%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9714, 13.1677, 21.2600 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 12.9714, 13.1677, 21.2600 by changing the saturation by 10% instead.

■ 12.9714, 13.1677,
21.2600

■ 12.9714, 13.1677,
21.2600

204.3756,
211.9897, 271.4833

■ 7.4857, 7.5441,
13.1211

■ 30.8541, 31.6047,
46.4062

■ 3.8167, 3.8047,
7.3803

■ 43.9819, 45.1870,
64.2507

■ 1.5990, 1.5649,
3.6190

■ 60.3878, 62.1909,
86.1673

■ 0.3917, 0.3338,
1.4188

■ 80.4371, 83.0009,
112.5748

■ 0.0000, 0.0000,
0.1563

104.4951,
108.0014, 143.8916

■ 0.0000, 0.0000,
0.0000

132.9273,

137.5768, 180.5362

166.0990,
172.1114, 222.9273

■ 12.9714, 13.1677,
21.2600

■ 12.9714, 13.1677,
21.2600

■ 10.9071, 10.7902,
20.9101

■ 15.3548, 15.8746,
21.6571

■ 9.1469, 8.7276,
20.6048

■ 18.0690, 18.9215,
22.1021

■ 7.6763, 6.9670,
20.3424

■ 21.1266, 22.3202,
22.5970

■ 6.4791, 5.4936,
20.1211

■ 24.5393, 26.0816,
23.1432

■ 5.5377, 4.2913,
19.9387

■ 28.3180, 30.2163,
23.7421

■ 4.8320, 3.3426,
19.7928

■ 32.4733, 34.7341,
24.3951

■ 4.3343, 2.6251,
19.6805

■ 37.0154, 39.6447,
25.1035

■ 4.1225, 2.3222,
19.6332

■ 41.9539, 44.9575,
25.8687

■ 47.2982, 50.6813,
26.6918

Harmonies

Analogous

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



11.8635, 13.1677, 21.0480



12.9714, 13.1677, 21.2600



14.0157, 13.1677, 19.4251

Triad

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



12.9714, 13.1677, 21.2600



14.1846, 13.1677, 10.5870



10.5750, 13.1677, 12.5194

Complementary

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



12.9714, 13.1677, 21.2600



16.9563, 18.1249, 13.1947

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.



11.1264, 13.1677, 10.2260



12.9714, 13.1677, 21.2600



13.1910, 13.1677, 9.2303

Square

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



12.9714, 13.1677, 21.2600



14.7436, 13.1677, 13.0856



12.0704, 13.1677, 9.1088



10.5240, 13.1677, 15.6666

Rectangle

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



12.9714, 13.1677, 21.2600



14.5178, 13.1677, 17.4277



12.0704, 13.1677, 9.1088



10.7064, 13.1677, 11.6359

Sweetspot

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



12.9718, 13.1682, 21.2603



31.1503, 32.5343, 39.3823



15.2061, 18.3496, 19.8076



7.0373, 7.3464, 8.9502



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.



12.9718, 13.1682, 21.2603



20.9708, 20.9877, 37.6901



13.2144, 12.3267, 21.0851



4.1816, 4.3572, 5.4339



4.2978, 2.4141, 20.4894



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8094, 13.3052, 14.1001



24.9104, 21.3848, 22.3166



16.6546, 19.2391, 13.4256



4.3645, 4.3589, 4.7239



9.0463, 4.6382, 1.5677



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9714, 13.1677, 21.2600 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 12.9714, 13.1677, 21.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

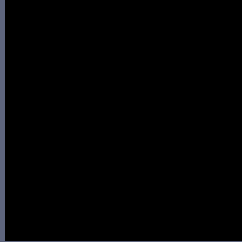
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

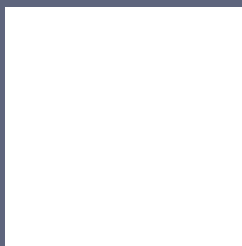
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9714, 13.1677, 21.2600

Background



This preview shows how black text looks on a background with the XYZ color 12.9714, 13.1677, 21.2600.



This preview shows how white text looks on a background with the XYZ color 12.9714, 13.1677,

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

12.9714, 13.1677, 21.2600

Protanopia

13.0827, 13.0818, 21.2375

Deuteranopia

13.3091, 13.0570, 21.2208



Tritanopia

12.0893, 13.0945, 17.2196

Trichromacy



Original Color

12.9714, 13.1677, 21.2600

Protanomaly

12.9782, 13.0279, 21.2327

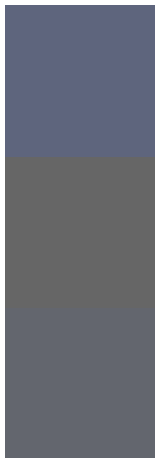
Deuteranomaly

13.1886, 13.1364, 21.2425

Tritanomaly

12.3759, 13.0624, 18.6986

Monochromacy



Original Color

12.9714, 13.1677, 21.2600

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7114, 13.2812, 16.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9714, 13.1677, 21.2600 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, 101, 125) looks like.

```
.text, #text, p{  
    color:rgb(94, 101, 125)  
}
```

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, 101, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 101, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.9714, 13.1677, 21.2600 is called "border". The border property can be set on classes, ids or directly on the HTML element.

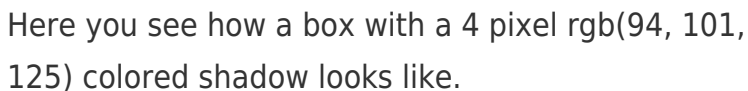
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 101, 125) }
```


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

```
.border{ border-color:rgb(94, 101, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 101, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 101, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 101, 125);  
box-shadow:4px 4px 4px 4px rgb(94, 101,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9714, 13.1677, 21.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 101, 125) }
```

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

```
.background{ background-color: rgb(94, 101,  
125) }
```

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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