

Converting Colors

XYZ(12.5700, 12.8631, 19.5897)

Have a look what the booklet for
XYZ(12.5700, 12.8631, 19.5897)
contains.

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Color

**XYZ(12.5634, 12.8501,
19.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6478
RGB	94, 100, 120
RGB Percent	37%, 39%, 47%
CMY	0.6314, 0.6078, 0.5294
CMYK	0.22, 0.17, 0.00, 0.53
HSL	226°, 12%, 42%
HSV	226°, 22%, 47%
XYZ	12.5634, 12.8501, 19.5875
YIQ	100.4860, -9.9960, 4.9480

Conversions

Conversions Part 2

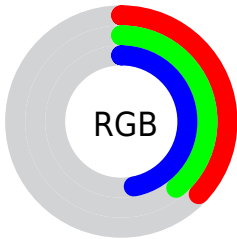
Format	Color
R_{YB}	94, 99, 120
Decimal	6186104
CIE Lab	42.54, 2.39, -11.98
CIE LCh	43, 12.213, 281.266
Yxy	12.8501, 0.2792, 0.2856
Android (android.graphics.Color)	4284376184 (0xFF5E6478)
YUV	100.4860, 9.6204, -5.6882
Hunter-Lab	35.8470, -0.1730, -7.3043

Details

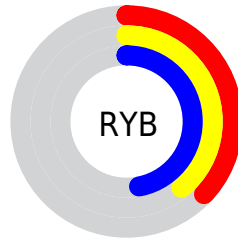
The XYZ color **12.5634, 12.8501, 19.5875** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7835, 16.8357, 13.0076**, and the grayscale version is **12.2156, 12.8518, 13.9956**.

A 20% lighter version of the original color is **30.1901, 31.1315, 43.4475**, and **3.6612, 3.7106, 6.6541** is the 20% darker color. If you saturate the color by 10%, you get **10.5916, 10.5933, 19.2560**, and if you desaturate by 10%, it is **14.8277, 15.4073, 19.9620**.

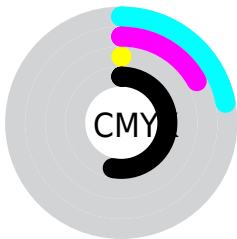
Distribution



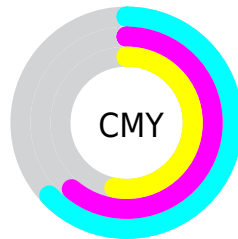
- Red (37%)
- Green (39%)
- Blue (47%)



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



- Cyan (22%)
- Magenta (17%)
- Yellow (0%)
- Black (53%)



- Cyan (63%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5634, 12.8501, 19.5875 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 12.5634, 12.8501, 19.5875 by changing the saturation by 10% instead.

■ 12.5634, 12.8501,
19.5875

■ 12.5634, 12.8501,
19.5875

201.7950,
209.9547, 262.2031

■ 7.2035, 7.3254,
11.9145

■ 30.1252, 31.0342,
43.5743

■ 3.6372, 3.6664,
6.5636

■ 43.0578, 44.4624,
60.7252

■ 1.4990, 1.4888,
3.1165

■ 59.2454, 61.2939,
81.8725

■ 0.3251, 0.2808,
1.1544

■ 79.0532, 81.9131,
107.4346

■ 0.0000, 0.0000,
0.0000

102.8468,
106.7044, 137.8303

130.9913,

136.0522, 173.4778

163.8523,
170.3408, 214.7960

■ 12.5634, 12.8501,
19.5875

■ 12.5634, 12.8501,
19.5875

■ 10.5916, 10.5933,
19.2560

■ 14.8277, 15.4073,
19.9620

■ 8.8989, 8.6240,
18.9651

■ 17.3946, 18.2738,
20.3800

■ 7.4728, 6.9308,
18.7135

■ 20.2755, 21.4603,
20.8432

■ 6.2990, 5.5010,
18.4994

■ 23.4804, 24.9764,
21.3529

■ 5.3622, 4.3207,
18.3209

■ 27.0193, 28.8312,
21.9105

■ 4.6451, 3.3747,
18.1761

■ 30.9016, 33.0336,
22.5170

■ 4.1280, 2.6459,
18.0627

■ 35.1361, 37.5921,
23.1737

■ 3.7984, 2.1724,
17.9887

■ 39.7316, 42.5150,
23.8817

■ 44.6964, 47.8101,
24.6421

Harmonies

Analogous

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



11.6528, 12.8501, 19.3740



12.5634, 12.8501, 19.5875



13.4211, 12.8501, 18.1672

Triad

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



12.5634, 12.8501, 19.5875



13.5958, 12.8501, 10.9018



10.6099, 12.8501, 12.4228

Complementary

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



12.5634, 12.8501, 19.5875



15.7835, 16.8357, 13.0076

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.



11.0808, 12.8501, 10.5105



12.5634, 12.8501, 19.5875



12.7922, 12.8501, 9.7116

Square

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



12.5634, 12.8501, 19.5875



14.0369, 12.8501, 13.0226



11.8704, 12.8501, 9.5780



10.5555, 12.8501, 15.0075

Rectangle

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



12.5634, 12.8501, 19.5875



13.8357, 12.8501, 16.5782



11.8704, 12.8501, 9.5780



10.7236, 12.8501, 11.6890

Sweetspot

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



12.5638, 12.8506, 19.5878



28.5036, 29.8125, 35.5052



14.3663, 17.0263, 18.4292



6.7022, 7.0062, 8.4058



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.



12.5638, 12.8506, 19.5878



20.3102, 20.5636, 34.1518



12.7525, 12.1245, 19.4377



3.8658, 4.0299, 5.0173



4.1340, 2.3504, 19.6211



19.1690, 10.1106, 93.4110

Inverse Universe

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



14.0490, 12.9188, 13.8103



23.4325, 20.7755, 21.9909



15.5557, 17.7565, 13.1973



4.0327, 4.0288, 4.3700



8.6700, 4.4441, 1.5530



41.0787, 21.0878, 5.9448

Previews

White Background



This preview shows how the XYZ color 12.5634, 12.8501, 19.5875 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 12.5634, 12.8501, 19.5875 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

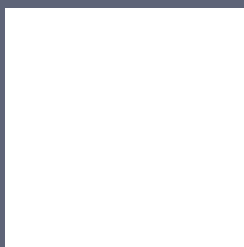
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5634, 12.8501, 19.5875

Background



This preview shows how black text looks on a background with the XYZ color 12.5634, 12.8501, 19.5875.

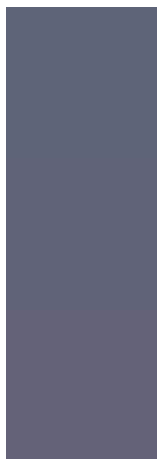


This preview shows how white text looks on a background with the XYZ color 12.5634, 12.8501,

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

12.5634, 12.8501, 19.5875

Protanopia

12.6759, 12.7665, 19.5654

Deuteranopia

13.0134, 12.8008, 19.5542



Tritanopia

11.9795, 12.9038, 16.6112

Trichromacy



Original Color

12.5634, 12.8501, 19.5875

Protanomaly

12.5713, 12.7126, 19.5605

Deuteranomaly

12.8890, 12.8764, 19.5754

Tritanomaly

12.2051, 12.8494, 17.7565

Monochromacy



Original Color

12.5634, 12.8501, 19.5875

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2480, 12.7726, 15.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5634, 12.8501, 19.5875 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, 100, 120) looks like.

```
.text, #text, p{  
    color:rgb(94, 100, 120)  
}
```

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, 100, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 100, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.5634, 12.8501, 19.5875 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, 100, 120) }
```


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

```
.border{ border-color:rgb(94, 100, 120) }
```

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

Here you see how a box with a 4 pixel rgb(94, 100, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 100, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 100, 120);  
box-shadow:4px 4px 4px 4px rgb(94, 100,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5634, 12.8501, 19.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 100, 120) }
```

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

```
.background{ background-color: rgb(94, 100,  
120) }
```

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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