

Converting Colors

XYZ(12.7423, 12.7577, 21.5298)

Have a look what the booklet for
XYZ(12.7423, 12.7577, 21.5298)
contains.

XYZ(12.7419, 12.7572, 21.5295)	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(12.7419, 12.7572,
21.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	5D637E
RGB	93, 99, 126
RGB Percent	36%, 39%, 49%
CMY	0.6353, 0.6118, 0.5059
CMYK	0.26, 0.21, 0.00, 0.51
HSL	229°, 15%, 43%
HSV	229°, 26%, 49%
XYZ	12.7419, 12.7572, 21.5295
YIQ	100.2840, -12.2430, 7.1250

Conversions

Conversions Part 2

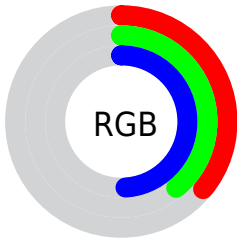
Format	Color
R_{YB}	93, 98, 126
Decimal	6120318
CIE _{Lab}	42.40, 4.20, -15.84
CIE _{LCh}	42, 16.382, 284.841
Yxy	12.7572, 0.2709, 0.2713
Android (android.graphics.Color)	4284310398 (0xFF5D637E)
YUV	100.2840, 12.6780, -6.3881
Hunter-Lab	35.7172, 1.1736, -10.7366

Details

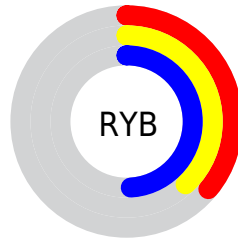
The XYZ color **12.7419, 12.7572, 21.5295** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2965, 18.6588, 13.0460**, and the grayscale version is **12.1568, 12.7899, 13.9282**.

A 20% lighter version of the original color is **30.5446, 30.9967, 47.0209**, and **3.7394, 3.6629, 7.5311** is the 20% darker color. If you saturate the color by 10%, you get **10.6551, 10.3232, 21.1699**, and if you desaturate by 10%, it is **15.1644, 15.5499, 21.9411**.

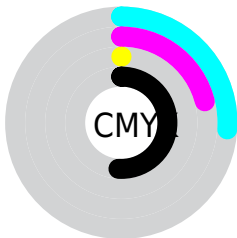
Distribution



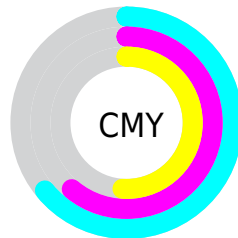
- Red (36%)
- Green (39%)
- Blue (49%)



- Red (36%)
- Yellow (38%)
- Blue (49%)



- Cyan (26%)
- Magenta (21%)
- Yellow (0%)
- Black (51%)



- Cyan (64%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7419, 12.7572, 21.5295 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 12.7419, 12.7572, 21.5295 by changing the saturation by 10% instead.

■ 12.7419, 12.7572,
21.5295

■ 12.7419, 12.7572,
21.5295

202.9281,
209.3557, 272.9521

■ 7.3268, 7.2616,
13.3166

■ 30.4446, 30.8669,
46.8593

■ 3.7155, 3.6262,
7.5136

■ 43.4629, 44.2497,
64.8133

■ 1.5425, 1.4668,
3.7021

■ 59.7464, 61.0304,
86.8513

■ 0.3545, 0.2652,
1.4634

■ 79.6603, 81.5934,
113.3921

■ 0.0000, 0.0000,
0.1904

103.5701,
106.3230, 144.8539

■ 0.0000, 0.0000,
0.0000

131.8411,

135.6037, 181.6556

164.8386,
169.8198, 224.2155

■ 12.7419, 12.7572,
21.5295

■ 12.7419, 12.7572,
21.5295

■ 10.6551, 10.3232,
21.1699

■ 15.1644, 15.5499,
21.9411

■ 8.8878, 8.2318,
20.8594

■ 17.9353, 18.7136,
22.4057

■ 7.4243, 6.4678,
20.5960

■ 21.0683, 22.2620,
22.9255

■ 6.2469, 5.0141,
20.3775

■ 24.5760, 26.2074,
23.5021

■ 5.3364, 3.8523,
20.2012

■ 28.4701, 30.5616,
24.1373

■ 4.6706, 2.9618,
20.0644

■ 32.7621, 35.3361,
24.8327

■ 4.2144, 2.3140,
19.9634

■ 37.4630, 40.5418,
25.5897

■ 4.0706, 2.1158,
19.9327

■ 42.5831, 46.1892,
26.4099

■ 48.1326, 52.2885,
27.2947

Harmonies

Analogous

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



11.5167, 12.7572, 21.5164



12.7419, 12.7572, 21.5295



13.8725, 12.7572, 19.2742

Triad

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



12.7419, 12.7572, 21.5295



13.8827, 12.7572, 9.6369



9.9808, 12.7572, 12.1917

Complementary

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



12.7419, 12.7572, 21.5295



17.2965, 18.6588, 13.0460

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.



10.5314, 12.7572, 9.6160



12.7419, 12.7572, 21.5295



12.7550, 12.7572, 8.3200

Square

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



12.7419, 12.7572, 21.5295



14.5609, 12.7572, 12.2251



11.5290, 12.7572, 8.3131



9.9778, 12.7572, 15.7005

Rectangle

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



12.7419, 12.7572, 21.5295



14.3970, 12.7572, 16.9770



11.5290, 12.7572, 8.3131



10.1062, 12.7572, 11.2027

Sweetspot

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



12.7423, 12.7577, 21.5298



30.5455, 31.7743, 39.2675



15.3624, 18.6040, 20.5349



6.7998, 7.0587, 8.9071



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.



12.7423, 12.7577, 21.5298



20.3246, 20.0084, 37.5351



13.3258, 12.2456, 21.4002



4.1673, 4.3285, 5.4291



4.1736, 2.1656, 20.4480



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7710, 13.1655, 13.5676



24.5077, 20.9310, 21.0986



16.5797, 19.3945, 13.2258



4.3573, 4.3561, 4.6858



8.9836, 4.6131, 1.2374



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7419, 12.7572, 21.5295 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 12.7419, 12.7572, 21.5295 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 12.7419, 12.7572, 21.5295

Background



This preview shows how black text looks on a background with the XYZ color 12.7419, 12.7572, 21.5295.

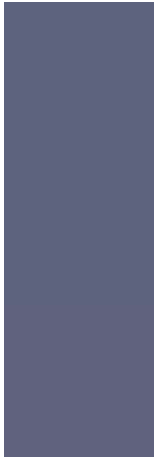


This preview shows how white text looks on a background with the XYZ color 12.7419, 12.7572,

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

12.7419, 12.7572, 21.5295

Protanopia

12.7419, 12.7572, 21.5295

Deuteranopia

12.9574, 12.7285, 21.5126



Tritanopia

11.7823, 12.8022, 16.6019

Trichromacy



Original Color

12.7419, 12.7572, 21.5295

Protanomaly

12.7419, 12.7572, 21.5295

Deuteranomaly

12.8529, 12.6746, 21.5077

Tritanomaly

12.1204, 12.7925, 18.3534

Monochromacy



Original Color

12.7419, 12.7572, 21.5295

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2473, 12.7599, 16.2854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7419, 12.7572, 21.5295 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(93, 99, 126) looks like.

```
.text, #text, p{  
    color:rgb(93, 99, 126)  
}
```

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(93, 99, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 99, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.7419, 12.7572, 21.5295 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(93, 99, 126) }
```


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

```
.border{ border-color:rgb(93, 99, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 99, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 99, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 99, 126);  
box-shadow:4px 4px 4px 4px rgb(93, 99,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7419, 12.7572, 21.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 99, 126) }
```

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

```
.background{ background-color: rgb(93, 99,  
126) }
```

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