

Converting Colors

XYZ(12.5660, 10.0627, 26.9443)

Have a look what the booklet for
XYZ(12.5660, 10.0627, 26.9443)
contains.

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Color

**XYZ(12.5023, 10.0318,
26.8686)**

Conversions

Conversions Part 1

Format	Color
Hex	604F8E
RGB	96, 79, 142
RGB Percent	38%, 31%, 56%
CMY	0.6235, 0.6902, 0.4431
CMYK	0.32, 0.44, 0.00, 0.44
HSL	256°, 29%, 43%
HSV	256°, 44%, 56%
XYZ	12.5023, 10.0318, 26.8686
YIQ	91.2650, -10.0910, 23.1970

Conversions

Conversions Part 2

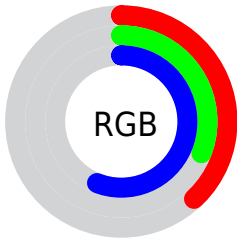
Format	Color
R_{YB}	96, 79, 142
Decimal	6311822
CIE _{Lab}	37.90, 21.96, -32.52
CIE _{LCh}	38, 39.237, 304.033
Yxy	10.0318, 0.2531, 0.2031
Android (android.graphics.Color)	4284501902 (0xFF604F8E)
YUV	91.2650, 25.0124, 4.1526
Hunter-Lab	31.6730, 15.0316, -28.1253

Details

The XYZ color **12.5023, 10.0318, 26.8686** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.5421, 24.2708, 11.0523**, and the grayscale version is **9.9510, 10.4693, 11.4010**.

A 20% lighter version of the original color is **29.8957, 25.7198, 55.6133**, and **3.5871, 2.4802, 10.1872** is the 20% darker color. If you saturate the color by 10%, you get **10.5655, 7.6720, 26.5154**, and if you desaturate by 10%, it is **14.8026, 12.9042, 27.3020**.

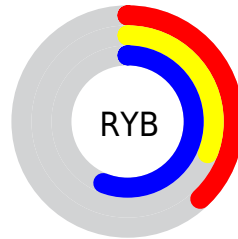
Distribution



Red (38%)

Green (31%)

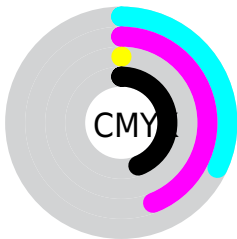
Blue (56%)



Red (38%)

Yellow (31%)

Blue (56%)

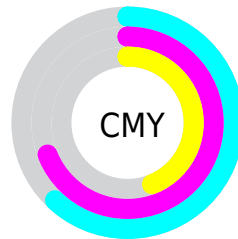


Cyan (32%)

Magenta (44%)

Yellow (0%)

Black (44%)



Cyan (62%)

Magenta (69%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5023, 10.0318, 26.8686 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 12.5023, 10.0318, 26.8686 by changing the saturation by 10% instead.

■ 12.5023, 10.0318,
26.8686

■ 12.5023, 10.0318,
26.8686

201.4056,
190.8989, 300.7604

■ 7.1614, 5.4200,
17.2430

■ 30.0157, 25.8553,
55.6741

■ 3.6104, 2.4958,
10.2441

■ 42.9188, 37.8358,
75.6911

■ 1.4842, 0.8745,
5.4534

■ 59.0734, 53.0414,
100.0090

■ 0.3150, 0.0000,
2.4523

■ 78.8448, 71.8564,
129.0463

■ 0.0000, 0.0000,
0.8147

■ 102.5984, 94.6653,
163.2215

■ 0.0000, 0.0000,
0.0000

130.6995,

121.8524, 202.9532

163.5134,
153.8021, 248.6600

■ 12.5023, 10.0318,
26.8686

■ 12.5023, 10.0318,
26.8686

■ 10.5655, 7.6720,
26.5154

■ 14.8026, 12.9042,
27.3020

■ 8.9714, 5.7926,
26.2366

■ 17.4833, 16.3163,
27.8193

■ 7.6987, 4.3595,
26.0271

■ 20.5616, 20.2949,
28.4250

■ 6.7231, 3.3335,
25.8805

■ 24.0535, 24.8644,
29.1229

■ 6.0149, 2.6657,
25.7889

■ 27.9737, 30.0478,
29.9168

■ 5.6936, 2.3711,
25.7490

■ 32.3365, 35.8671,
30.8101

■ 37.1554, 42.3430,
31.8061

■ 42.4433, 49.4951,
32.9079

■ 48.2126, 57.3426,
34.1185

Harmonies

Analogous

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



9.8787, 10.0318, 31.3532



12.5023, 10.0318, 26.8686



14.5711, 10.0318, 18.1699

Triad

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



12.5023, 10.0318, 26.8686



11.8105, 10.0318, 2.6083



5.4822, 10.0318, 11.9251

Complementary

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



12.5023, 10.0318, 26.8686



19.5421, 24.2708, 11.0523

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.



5.8177, 10.0318, 5.9158



12.5023, 10.0318, 26.8686



9.1992, 10.0318, 2.1183

Square

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



12.5023, 10.0318, 26.8686



14.1249, 10.0318, 4.8652



7.0787, 10.0318, 3.0011



6.0656, 10.0318, 20.6402

Rectangle

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



12.5023, 10.0318, 26.8686



15.1920, 10.0318, 12.4253



7.0787, 10.0318, 3.0011



5.4920, 10.0318, 9.5468

Sweetspot

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



12.5027, 10.0322, 26.8688



36.8963, 36.6184, 50.2513



15.4663, 18.3336, 28.3150



7.9845, 7.8453, 11.1729



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.5027, 10.0322, 26.8688



18.7131, 13.6271, 46.7719



16.4760, 12.0805, 27.0548



5.2577, 5.3210, 6.7787



5.1277, 2.1370, 23.1193



0.0678, 0.0301, 0.2219

Inverse Universe

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



17.6533, 12.8238, 20.9474



29.1378, 19.2894, 34.2396



15.6700, 22.2747, 10.8711



5.5650, 5.4865, 6.4733



12.2528, 6.0581, 12.2484



0.1264, 0.0616, 0.1656

Previews

White Background



This preview shows how the XYZ color 12.5023, 10.0318, 26.8686 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 12.5023, 10.0318, 26.8686 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 12.5023, 10.0318, 26.8686

Background



This preview shows how black text looks on a background with the XYZ color 12.5023, 10.0318, 26.8686.



This preview shows how white text looks on a background with the XYZ color 12.5023, 10.0318,

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

12.5023, 10.0318, 26.8686

Protanopia

10.9631, 10.0752, 30.2210

Deuteranopia

10.2926, 10.0623, 26.2107



Tritanopia

9.6142, 10.0155, 12.4928

Trichromacy



Original Color

12.5023, 10.0318, 26.8686

Protanomaly

11.3384, 9.9431, 28.9254

Deuteranomaly

10.8803, 9.8759, 26.5321

Tritanomaly

10.4456, 9.8629, 16.9760

Monochromacy



Original Color

12.5023, 10.0318, 26.8686

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.7369, 10.2693, 16.1681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5023, 10.0318, 26.8686 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(96, 79, 142)` looks like.

```
.text, #text, p{  
    color:rgb(96, 79, 142)  
}
```

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(96, 79, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 79, 142) }
```

Border

The CSS property to change the border of an element to XYZ 12.5023, 10.0318, 26.8686 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(96, 79, 142) }
```


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

```
.border{ border-color:rgb(96, 79, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 79, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 79, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 79, 142);  
box-shadow:4px 4px 4px 4px rgb(96, 79,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5023, 10.0318, 26.8686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 79, 142) }
```

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

```
.background{ background-color: rgb(96, 79,  
142) }
```

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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