

Converting Colors

XYZ(12.3436, 11.5098, 21.5084)

Have a look what the booklet for
XYZ(12.3436, 11.5098, 21.5084)
contains.

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Color

**XYZ(12.3957, 11.5013,
21.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	605B7F
RGB	96, 91, 127
RGB Percent	38%, 36%, 50%
CMY	0.6235, 0.6431, 0.5020
CMYK	0.24, 0.28, 0.00, 0.50
HSL	248°, 17%, 43%
HSV	248°, 28%, 50%
XYZ	12.3957, 11.5013, 21.6453
YIQ	96.5990, -8.5760, 12.2560

Conversions

Conversions Part 2

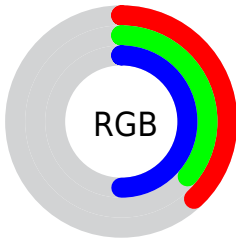
Format	Color
RYB	96, 91, 127
Decimal	6314879
CIELab	40.41, 10.40, -19.46
CIElCh	40, 22.069, 298.127
Yxy	11.5013, 0.2722, 0.2525
Android (android.graphics.Color)	4284504959 (0xFF605B7F)
YUV	96.5990, 14.9877, -0.5253
Hunter-Lab	33.9136, 5.8945, -14.1023

Details

The XYZ color **12.3957, 11.5013, 21.6453** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.5042, 20.0720, 12.8498**, and the grayscale version is **11.2304, 11.8152, 12.8668**.

A 20% lighter version of the original color is **29.7957, 28.5481, 47.1199**, and **3.5802, 3.0798, 7.6135** is the 20% darker color. If you saturate the color by 10%, you get **10.3289, 8.9585, 21.2636**, and if you desaturate by 10%, it is **14.8071, 14.4951, 22.0963**.

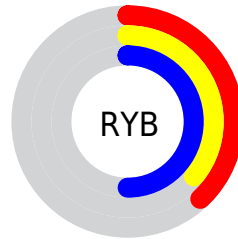
Distribution



Red (38%)

Green (36%)

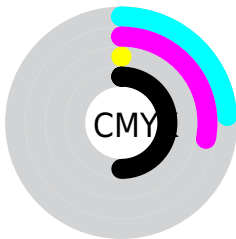
Blue (50%)



Red (38%)

Yellow (36%)

Blue (50%)

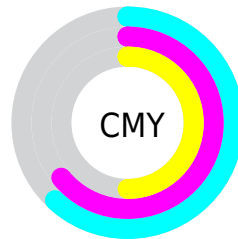


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (64%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3957, 11.5013, 21.6453 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 12.3957, 11.5013, 21.6453 by changing the saturation by 10% instead.

■ 12.3957, 11.5013,
21.6453

■ 12.3957, 11.5013,
21.6453

200.7245,
201.0752, 273.5811

■ 7.0879, 6.4051,
13.4007

■ 29.8244, 28.5835,
47.0537

■ 3.5639, 3.0929,
7.5711

■ 42.6760, 41.3383,
65.0546

■ 1.4585, 1.1804,
3.7379

■ 58.7729, 57.4147,
87.1446

■ 0.2974, 0.0456,
1.4827

■ 78.4805, 77.1971,
113.7423

■ 0.0000, 0.0000,
0.2050

■ 102.1641,
101.0700, 145.2663

■ 0.0000, 0.0000,
0.0000

130.1890,

129.4177, 182.1351

162.9207,
162.6247, 224.7672

■ 12.3957, 11.5013,
21.6453

■ 12.3957, 11.5013,
21.6453

■ 10.3289, 8.9585,
21.2636

■ 14.8071, 14.4951,
22.0963

■ 8.5898, 6.8434,
20.9470

■ 17.5768, 17.9589,
22.6189

■ 7.1616, 5.1327,
20.6921

■ 20.7191, 21.9122,
23.2163

■ 6.0258, 3.8004,
20.4948

■ 24.2471, 26.3731,
23.8914

■ 5.1616, 2.8174,
20.3506

■ 28.1734, 31.3589,
24.6468

■ 4.5455, 2.1502,
20.2543

■ 32.5099, 36.8858,
25.4851

■ 4.1310, 1.7209,
20.1933

■ 37.2681, 42.9694,
26.4085

■ 4.0735, 1.6574,
20.1841

■ 42.4590, 49.6247,
27.4195

■ 48.0932, 56.8663,
28.5204

Harmonies

Analogous

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



10.8346, 11.5013, 23.1209



12.3957, 11.5013, 21.6453



13.6591, 11.5013, 17.5850

Triad

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



12.3957, 11.5013, 21.6453



12.5799, 11.5013, 6.5892



8.2185, 11.5013, 12.2464

Complementary

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



12.3957, 11.5013, 21.6453



17.5042, 20.0720, 12.8498

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.



8.5938, 11.5013, 8.5395



12.3957, 11.5013, 21.6453



11.0292, 11.5013, 5.7892

Square

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



12.3957, 11.5013, 21.6453



13.7723, 11.5013, 8.9189



9.5877, 11.5013, 6.4093



8.5112, 11.5013, 16.9867

Rectangle

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



12.3957, 11.5013, 21.6453



14.1108, 11.5013, 14.3600



9.5877, 11.5013, 6.4093



8.2699, 11.5013, 10.8497

Sweetspot

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



12.3961, 11.5018, 21.6456



31.0184, 31.5863, 40.4182



15.1296, 17.7250, 22.7027



7.1097, 7.2040, 9.4341



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.3961, 11.5018, 21.6456



19.7367, 17.5630, 38.3060



14.4857, 12.5790, 21.7434



4.1601, 4.2382, 5.4121



4.1074, 1.6711, 20.3560



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0067, 13.3998, 20.1557



27.3495, 21.5678, 35.0352



15.2102, 18.8894, 12.7424



4.4733, 4.4025, 5.2968



11.6304, 5.6718, 15.1752



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3957, 11.5013, 21.6453 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 12.3957, 11.5013, 21.6453 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 12.3957, 11.5013, 21.6453

Background



This preview shows how black text looks on a background with the XYZ color 12.3957, 11.5013, 21.6453.



This preview shows how white text looks on a background with the XYZ color 12.3957, 11.5013,

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

12.3957, 11.5013, 21.6453

Protanopia

11.7115, 11.5217, 22.3755

Deuteranopia

11.6991, 11.5380, 21.3491



Tritanopia

10.9454, 11.5692, 14.4881

Trichromacy



Original Color

12.3957, 11.5013, 21.6453

Protanomaly

11.9305, 11.5111, 22.0151

Deuteranomaly

11.8967, 11.5087, 21.3330

Tritanomaly

11.4415, 11.5024, 16.9464

Monochromacy



Original Color

12.3957, 11.5013, 21.6453

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7287, 11.8085, 15.8485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3957, 11.5013, 21.6453 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, 91, 127) looks like.

```
.text, #text, p{  
    color:rgb(96, 91, 127)  
}
```

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, 91, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 91, 127) }
```

Border

The CSS property to change the border of an element to XYZ 12.3957, 11.5013, 21.6453 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, 91, 127) }
```


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

```
.border{ border-color:rgb(96, 91, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 91, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 91, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 91, 127);  
box-shadow:4px 4px 4px 4px rgb(96, 91,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3957, 11.5013, 21.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 91, 127) }
```

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

```
.background{ background-color: rgb(96, 91,  
127) }
```

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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