

Converting Colors

XYZ(12.5402, 11.6071, 18.9424)

Have a look what the booklet for
XYZ(12.5402, 11.6071, 18.9424)
contains.

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Color

**XYZ(12.5503, 11.6389,
19.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	665B77
RGB	102, 91, 119
RGB Percent	40%, 36%, 47%
CMY	0.6000, 0.6431, 0.5333
CMYK	0.14, 0.24, 0.00, 0.53
HSL	264°, 13%, 41%
HSV	264°, 24%, 47%
XYZ	12.5503, 11.6389, 19.0378
YIQ	97.4810, -2.4320, 11.0400

Conversions

Conversions Part 2

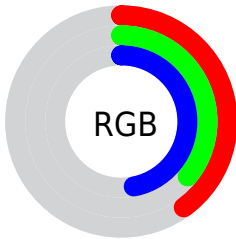
Format	Color
R_{YB}	102, 91, 119
Decimal	6708087
CIE _{Lab}	40.64, 10.49, -14.19
CIE _{LCh}	41, 17.643, 306.473
Yxy	11.6389, 0.2903, 0.2693
Android (android.graphics.Color)	4284898167 (0xFF665B77)
YUV	97.4810, 10.6089, 3.9632
Hunter-Lab	34.1158, 5.9627, -9.2048

Details

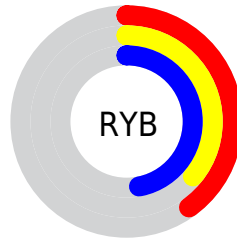
The XYZ color **12.5503, 11.6389, 19.0378** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.6700, 17.1375, 12.4328**, and the grayscale version is **11.4561, 12.0528, 13.1254**.

A 20% lighter version of the original color is **30.0124, 28.7623, 42.4979**, and **3.6513, 3.1439, 6.3756** is the 20% darker color. If you saturate the color by 10%, you get **10.8292, 9.3596, 18.6887**, and if you desaturate by 10%, it is **14.5049, 14.2787, 19.4445**.

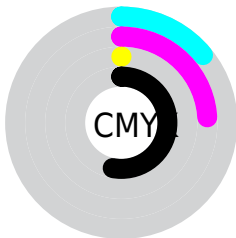
Distribution



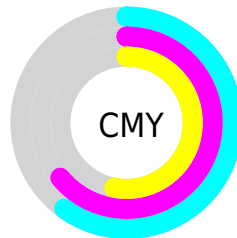
- Red (40%)
- Green (36%)
- Blue (47%)



- Red (40%)
- Yellow (36%)
- Blue (47%)



- Cyan (14%)
- Magenta (24%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5503, 11.6389, 19.0378 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 12.5503, 11.6389, 19.0378 by changing the saturation by 10% instead.

■ 12.5503, 11.6389,
19.0378

■ 12.5503, 11.6389,
19.0378

201.7115,
201.9998, 259.0870

■ 7.1945, 6.4983,
11.5205

■ 30.1017, 28.8357,
42.6355

■ 3.6314, 3.1504,
6.2995

■ 43.0280, 41.6607,
59.5530

■ 1.4958, 1.2107,
2.9563

■ 59.2085, 57.8159,
80.4410

■ 0.3230, 0.0704,
1.0724

■ 79.0086, 77.6858,
105.7180

■ 0.0000, 0.0000,
0.0000

102.7936,
101.6548, 135.8026

130.9288,

130.1072, 171.1132

163.7797,
163.4274, 212.0685

■ 12.5503, 11.6389,
19.0378

■ 12.5503, 11.6389,
19.0378

■ 10.8292, 9.3596,
18.6887

■ 14.5049, 14.2787,
19.4445

■ 9.3310, 7.4231,
18.3939

■ 16.7008, 17.2925,
19.9105

■ 8.0460, 5.8127,
18.1508

■ 19.1465, 20.6952,
20.4384

■ 6.9635, 4.5094,
17.9563

■ 21.8501, 24.5000,
21.0303

■ 6.0712, 3.4922,
17.8070

■ 24.8192, 28.7198,
21.6883

■ 5.3557, 2.7374,
17.6990

■ 28.0609, 33.3669,
22.4144

■ 4.7999, 2.2139,
17.6273

■ 31.5823, 38.4528,
23.2105

■ 4.4903, 1.9302,
17.5888

■ 35.3900, 43.9890,
24.0784

■ 39.4905, 49.9863,
25.0199

Harmonies

Analogous

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



11.3350, 11.6389, 20.7966



12.5503, 11.6389, 19.0378



13.4104, 11.6389, 15.6173

Triad

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



12.5503, 11.6389, 19.0378



12.0477, 11.6389, 7.3605



8.8463, 11.6389, 13.4630

Complementary

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



12.5503, 11.6389, 19.0378



14.6700, 17.1375, 12.4328

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.



9.0058, 11.6389, 10.1238



12.5503, 11.6389, 19.0378



10.7942, 11.6389, 6.9995

Square

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



12.5503, 11.6389, 19.0378



13.1054, 11.6389, 9.0124



9.6971, 11.6389, 7.9128



9.2436, 11.6389, 17.2103

Rectangle

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



12.5503, 11.6389, 19.0378



13.6332, 11.6389, 13.1001



9.6971, 11.6389, 7.9128



8.8370, 11.6389, 12.2549

Sweetspot

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



12.5507, 11.6394, 19.0381



28.4197, 28.9164, 35.3366



13.0354, 14.3380, 19.5334



6.6958, 6.7987, 8.3661



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.



12.5507, 11.6394, 19.0381



20.8255, 18.6478, 33.7548



14.2383, 12.5094, 19.1170



3.6241, 3.6535, 4.6044



4.7603, 2.0454, 18.6865



22.2940, 9.5015, 91.0192

Inverse Universe

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



14.0561, 12.4874, 15.8577



24.0366, 20.4584, 26.8948



13.1291, 16.3431, 12.3607



3.7686, 3.7347, 4.3082



9.3297, 4.6656, 6.9442



45.0346, 22.5640, 31.5754

Previews

White Background



This preview shows how the XYZ color 12.5503, 11.6389, 19.0378 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 12.5503, 11.6389, 19.0378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

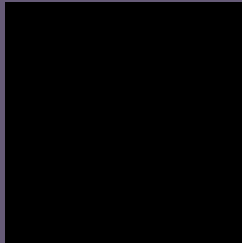
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5503, 11.6389, 19.0378

Background



This preview shows how black text looks on a background with the XYZ color 12.5503, 11.6389, 19.0378.



This preview shows how white text looks on a background with the XYZ color 12.5503, 11.6389,

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

12.5503, 11.6389, 19.0378

Protanopia

11.7249, 11.7134, 20.0553

Deuteranopia

11.8888, 11.6931, 18.7699



Tritanopia

11.5466, 11.6174, 14.2042

Trichromacy



Original Color

12.5503, 11.6389, 19.0378

Protanomaly

12.0700, 11.7656, 19.7240

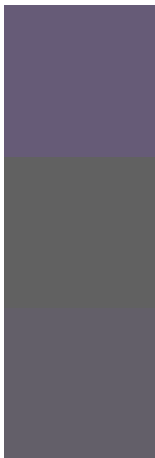
Deuteranomaly

12.1141, 11.6781, 18.7552

Tritanomaly

11.8767, 11.6207, 15.8044

Monochromacy



Original Color

12.5503, 11.6389, 19.0378

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7876, 11.8570, 15.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5503, 11.6389, 19.0378 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(102, 91, 119)` looks like.

```
.text, #text, p{  
    color:rgb(102, 91, 119)  
}
```

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(102, 91, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 91, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.5503, 11.6389, 19.0378 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(102, 91, 119) }
```


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

```
.border{ border-color:rgb(102, 91, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 91, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 91, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 91, 119);  
box-shadow:4px 4px 4px 4px rgb(102, 91,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5503, 11.6389, 19.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 91, 119) }
```

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

```
.background{ background-color: rgb(102, 91,  
119) }
```

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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