

Converting Colors

XYZ(12.4952, 11.5705, 20.2786)

Have a look what the booklet for
XYZ(12.4952, 11.5705, 20.2786)
contains.

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Color

**XYZ(12.4618, 11.5649,
20.3143)**

Conversions

Conversions Part 1

Format	Color
Hex	635B7B
RGB	99, 91, 123
RGB Percent	39%, 36%, 48%
CMY	0.6118, 0.6431, 0.5176
CMYK	0.20, 0.26, 0.00, 0.52
HSL	255°, 15%, 42%
HSV	255°, 26%, 48%
XYZ	12.4618, 11.5649, 20.3143
YIQ	97.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

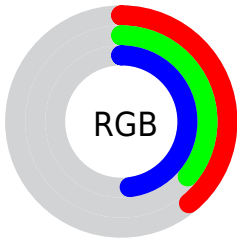
Format	Color
R_{YB}	99, 91, 123
Decimal	6511483
CIE _{Lab}	40.52, 10.41, -16.84
CIE _{LCh}	41, 19.796, 301.713
Yxy	11.5649, 0.2810, 0.2608
Android (android.graphics.Color)	4284701563 (0xFF635B7B)
YUV	97.0400, 12.7983, 1.7189
Hunter-Lab	34.0072, 5.8980, -11.6120

Details

The XYZ color **12.4618, 11.5649, 20.3143** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.0419, 18.5664, 12.6363**, and the grayscale version is **11.3429, 11.9336, 12.9957**.

A 20% lighter version of the original color is **29.9390, 28.6684, 45.0299**, and **3.5906, 3.1012, 6.8879** is the 20% darker color. If you saturate the color by 10%, you get **10.5444, 9.1416, 19.9478**, and if you desaturate by 10%, it is **14.6675, 14.3932, 20.7442**.

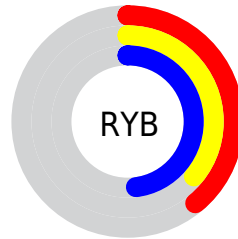
Distribution



Red (39%)

Green (36%)

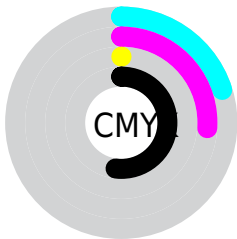
Blue (48%)



Red (39%)

Yellow (36%)

Blue (48%)

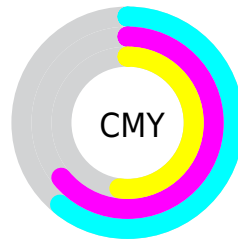


Cyan (20%)

Magenta (26%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (64%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4618, 11.5649, 20.3143 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 12.4618, 11.5649, 20.3143 by changing the saturation by 10% instead.

■ 12.4618, 11.5649,
20.3143

■ 12.4618, 11.5649,
20.3143

201.1471,
201.5031, 266.2719

■ 7.1334, 6.4481,
12.4374

■ 29.9430, 28.7001,
44.8094

■ 3.5928, 3.1195,
6.9161

■ 42.8266, 41.4874,
62.2646

■ 1.4744, 1.1944,
3.3321

■ 58.9593, 57.6003,
83.7497

■ 0.3083, 0.0571,
1.2666

■ 78.7065, 77.4233,
109.6832

■ 0.0000, 0.0000,
0.0342

■ 102.4335,
101.3406, 140.4836

■ 0.0000, 0.0000,
0.0000

130.5057,

129.7368, 176.5695

163.2885,
162.9962, 218.3594

■ 12.4618, 11.5649,
20.3143

■ 12.4618, 11.5649,
20.3143

■ 10.5444, 9.1416,
19.9478

■ 14.6675, 14.3932,
20.7442

■ 8.9019, 7.1032,
19.6409

■ 17.1718, 17.6427,
21.2394

■ 7.5215, 5.4298,
19.3907

■ 19.9861, 21.3303,
21.8028

■ 6.3890, 4.0994,
19.1936

■ 23.1205, 25.4716,
22.4370

■ 5.4885, 3.0871,
19.0456

■ 26.5848, 30.0815,
23.1442

■ 4.8024, 2.3650,
18.9424

■ 30.3886, 35.1740,
23.9267

■ 4.3021, 1.8838,
18.8759

■ 34.5407, 40.7628,
24.7866

■ 4.1326, 1.7175,
18.8527

■ 39.0499, 46.8608,
25.7259

■ 43.9245, 53.4806,
26.7468

Harmonies

Analogous

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



11.0724, 11.5649, 21.9267



12.4618, 11.5649, 20.3143



13.5248, 11.5649, 16.5905

Triad

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



12.4618, 11.5649, 20.3143



12.3115, 11.5649, 6.9709



8.5252, 11.5649, 12.8231

Complementary

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



12.4618, 11.5649, 20.3143



16.0419, 18.5664, 12.6363

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.



8.7972, 11.5649, 9.2942



12.4618, 11.5649, 20.3143



10.9122, 11.5649, 6.3733

Square

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



12.4618, 11.5649, 20.3143



13.4330, 11.5649, 8.9734



9.6427, 11.5649, 7.1268



8.8664, 11.5649, 17.0727

Rectangle

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



12.4618, 11.5649, 20.3143



13.8628, 11.5649, 13.7310



9.6427, 11.5649, 7.1268



8.5478, 11.5649, 11.5182

Sweetspot

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



12.4622, 11.5654, 20.3146



29.7249, 30.2577, 37.8303



14.0816, 16.0380, 21.0925



6.8587, 6.9415, 8.8814



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.



12.4622, 11.5654, 20.3146



20.2811, 18.1296, 35.9871



14.3169, 12.5215, 20.4014



3.8829, 3.9375, 4.9985



4.2706, 1.7743, 19.5027



19.6987, 8.1170, 92.9983

Inverse Universe

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



15.0044, 12.9314, 17.9255



25.6567, 21.0211, 30.8058



14.1757, 17.6043, 12.5489



4.1137, 4.0612, 4.7965



10.4578, 5.1593, 10.9678



49.5309, 24.4687, 50.4534

Previews

White Background



This preview shows how the XYZ color 12.4618, 11.5649, 20.3143 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 12.4618, 11.5649, 20.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

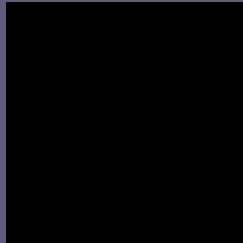
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4618, 11.5649, 20.3143

Background



This preview shows how black text looks on a background with the XYZ color 12.4618, 11.5649, 20.3143.

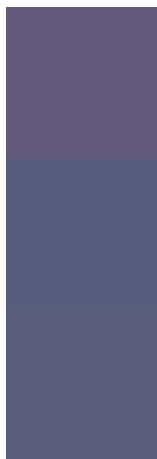


This preview shows how white text looks on a background with the XYZ color 12.4618, 11.5649,

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

12.4618, 11.5649, 20.3143

Protanopia

11.6349, 11.5123, 21.0109

Deuteranopia

11.8299, 11.6347, 20.0346



Tritanopia

11.2098, 11.5766, 14.2141

Trichromacy



Original Color

12.4618, 11.5649, 20.3143

Protanomaly

11.8668, 11.5081, 20.6646

Deuteranomaly

12.0433, 11.6135, 20.0192

Tritanomaly

11.6410, 11.6180, 16.3808

Monochromacy



Original Color

12.4618, 11.5649, 20.3143

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7307, 11.8217, 15.2992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4618, 11.5649, 20.3143 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(99, 91, 123) looks like.

```
.text, #text, p{  
    color:rgb(99, 91, 123)  
}
```

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(99, 91, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 91, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.4618, 11.5649, 20.3143 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(99, 91, 123) }
```


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

```
.border{ border-color:rgb(99, 91, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 91, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 91, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 91, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 91,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4618, 11.5649, 20.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 91, 123) }
```

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

```
.background{ background-color: rgb(99, 91,  
123) }
```

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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