

Converting Colors

XYZ(12.5858, 11.3760, 21.7824)

Have a look what the booklet for
XYZ(12.5858, 11.3760, 21.7824)
contains.

XYZ(12.6143, 11.3559, 21.9491)	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(12.6143, 11.3559,
21.9491)**

Conversions

Conversions Part 1

Format	Color
Hex	635980
RGB	99, 89, 128
RGB Percent	39%, 35%, 50%
CMY	0.6118, 0.6510, 0.4980
CMYK	0.23, 0.30, 0.00, 0.50
HSL	255°, 18%, 43%
HSV	255°, 30%, 50%
XYZ	12.6143, 11.3559, 21.9491
YIQ	96.4360, -6.5590, 14.2490

Conversions

Conversions Part 2

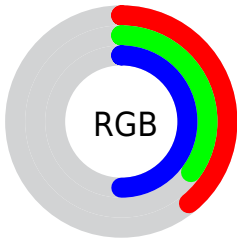
Format	Color
R_{YB}	99, 89, 128
Decimal	6510976
CIE _{Lab}	40.17, 12.91, -20.42
CIE _{LCh}	40, 24.159, 302.314
Yxy	11.3559, 0.2747, 0.2473
Android (android.graphics.Color)	4284701056 (0xFF635980)
YUV	96.4360, 15.5611, 2.2486
Hunter-Lab	33.6985, 7.8452, -15.0288

Details

The XYZ color **12.6143, 11.3559, 21.9491** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.9937, 20.0113, 12.4185**, and the grayscale version is **11.1890, 11.7717, 12.8193**.

A 20% lighter version of the original color is **30.1508, 28.2855, 47.5866**, and **3.6404, 2.9961, 7.7836** is the 20% darker color. If you saturate the color by 10%, you get **10.6612, 8.9032, 21.5788**, and if you desaturate by 10%, it is **14.8760, 14.2432, 22.3874**.

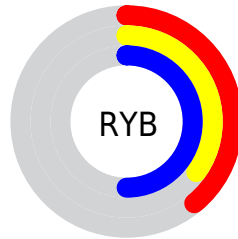
Distribution



Red (39%)

Green (35%)

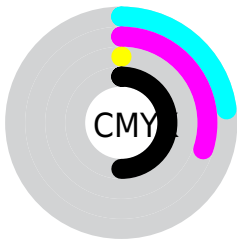
Blue (50%)



Red (39%)

Yellow (35%)

Blue (50%)

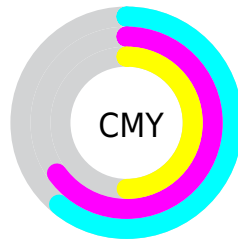


Cyan (23%)

Magenta (30%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (65%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6143, 11.3559, 21.9491 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 12.6143, 11.3559, 21.9491 by changing the saturation by 10% instead.

■ 12.6143, 11.3559,
21.9491

■ 12.6143, 11.3559,
21.9491

202.1187,
200.0932, 275.2252

■ 7.2387, 6.3068,
13.6215

■ 30.2163, 28.3164,
47.5630

■ 3.6595, 3.0325,
7.7222

■ 43.1735, 40.9966,
65.6864

■ 1.5113, 1.1487,
3.8325

■ 59.3884, 56.9892,
87.9121

■ 0.3335, 0.0192,
1.5339

■ 79.2266, 76.6787,
114.6588

■ 0.0000, 0.0000,
0.2430

■ 103.0534,
100.4495, 146.3449

■ 0.0000, 0.0000,
0.0000

131.2341,

128.6859, 183.3889

164.1341,
161.7723, 226.2095

■ 12.6143, 11.3559,
21.9491

■ 12.6143, 11.3559,
21.9491

■ 10.6612, 8.9032,
21.5788

■ 14.8760, 14.2432,
22.3874

■ 9.0016, 6.8622,
21.2723

■ 17.4581, 17.5836,
22.8961

■ 7.6211, 5.2104,
21.0263

■ 20.3731, 21.3961,
23.4783

■ 6.5034, 3.9220,
20.8365

■ 23.6325, 25.6983,
24.1369

■ 5.6302, 2.9685,
20.6985

■ 27.2472, 30.5069,
24.8746

■ 4.9808, 2.3164,
20.6068

■ 31.2279, 35.8378,
25.6937

■ 4.5179, 1.8790,
20.5468

■ 35.5844, 41.7061,
26.5968

■ 40.3265, 48.1264,
27.5861

■ 45.4633, 55.1127,
28.6639

Harmonies

Analogous

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



10.9244, 11.3559, 24.1060



12.6143, 11.3559, 21.9491



13.9146, 11.3559, 17.1814

Triad

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



12.6143, 11.3559, 21.9491



12.3653, 11.3559, 5.8476



7.8763, 11.3559, 12.7420

Complementary

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



12.6143, 11.3559, 21.9491



16.9937, 20.0113, 12.4185

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.



8.1778, 11.3559, 8.5445



12.6143, 11.3559, 21.9491



10.6635, 11.3559, 5.2321

Square

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



12.6143, 11.3559, 21.9491



13.7607, 11.3559, 8.0486



9.1568, 11.3559, 6.0774



8.2867, 11.3559, 17.9998

Rectangle

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



12.6143, 11.3559, 21.9491



14.3223, 11.3559, 13.6439



9.1568, 11.3559, 6.0774



7.8978, 11.3559, 11.1679

Sweetspot

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



12.6147, 11.3564, 21.9494



31.3517, 31.7581, 40.4338



14.5243, 16.6985, 22.8798



7.1971, 7.2491, 9.4382



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.



12.6147, 11.3564, 21.9494



19.6194, 16.7336, 38.1521



14.9742, 12.5727, 22.0598



4.2043, 4.2609, 5.4141



4.4809, 1.8637, 20.3735



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7447, 13.0423, 18.8271



26.1734, 20.2687, 31.3969



14.6410, 18.7984, 12.3084



4.4525, 4.3942, 5.1875



10.8838, 5.3732, 11.2435



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6143, 11.3559, 21.9491 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 12.6143, 11.3559, 21.9491 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 12.6143, 11.3559, 21.9491

Background



This preview shows how black text looks on a background with the XYZ color 12.6143, 11.3559, 21.9491.

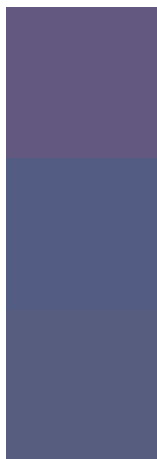


This preview shows how white text looks on a background with the XYZ color 12.6143, 11.3559,

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

12.6143, 11.3559, 21.9491

Protanopia

11.5784, 11.3064, 23.0448

Deuteranopia

11.5829, 11.3394, 21.6569



Tritanopia

11.0171, 11.3444, 14.1794

Trichromacy



Original Color

12.6143, 11.3559, 21.9491

Protanomaly

11.9762, 11.3898, 22.6863

Deuteranomaly

11.9723, 11.4107, 21.6502

Tritanomaly

11.5203, 11.2888, 16.6107

Monochromacy



Original Color

12.6143, 11.3559, 21.9491

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5509, 11.4528, 15.7892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6143, 11.3559, 21.9491 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, 89, 128) looks like.

```
.text, #text, p{  
    color:rgb(99, 89, 128)  
}
```

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, 89, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 89, 128) }
```

Border

The CSS property to change the border of an element to XYZ 12.6143, 11.3559, 21.9491 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, 89, 128) }
```


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

```
.border{ border-color:rgb(99, 89, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 89, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 89, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 89, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 89,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6143, 11.3559, 21.9491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 89, 128) }
```

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

```
.background{ background-color: rgb(99, 89,  
128) }
```

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