

Converting Colors

XYZ(7.7864, 11.2505, 10.3784)

Have a look what the booklet for
XYZ(7.7864, 11.2505, 10.3784)
contains.

XYZ(7.8180, 11.3399, 10.3711)	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(7.8180, 11.3399,
10.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	2E6955
RGB	46, 105, 85
RGB Percent	18%, 41%, 33%
CMY	0.8196, 0.5882, 0.6667
CMYK	0.56, 0.00, 0.19, 0.59
HSL	160°, 39%, 30%
HSV	160°, 56%, 41%
XYZ	7.8180, 11.3399, 10.3711
YIQ	85.0790, -28.7440, -18.7280

Conversions

Conversions Part 2

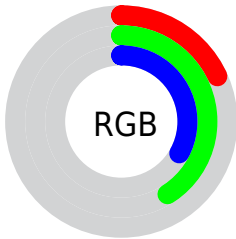
Format	Color
R_{YB}	46, 82, 105
Decimal	3041621
CIE _{Lab}	40.15, -24.57, 5.47
CIE _{LCh}	40, 25.166, 167.452
Yxy	11.3399, 0.2648, 0.3840
Android (android.graphics.Color)	4281231701 (0xFF2E6955)
YUV	85.0790, -0.0389, -34.2723
Hunter-Lab	33.6748, -17.4899, 5.3123

Details

The XYZ color **7.8180, 11.3399, 10.3711** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7865, 5.3509, 5.7771**, and the grayscale version is **8.6558, 9.1066, 9.9171**.

A 20% lighter version of the original color is **21.3599, 28.4046, 27.2785**, and **1.8461, 3.0795, 2.5046** is the 20% darker color. If you saturate the color by 10%, you get **7.2639, 11.0705, 9.6256**, and if you desaturate by 10%, it is **8.4956, 11.6728, 11.1600**.

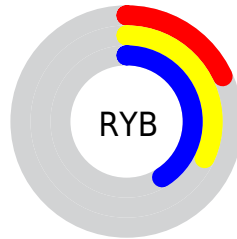
Distribution



Red (18%)

Green (41%)

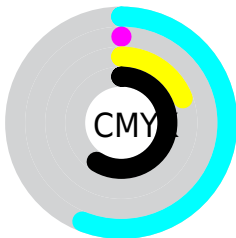
Blue (33%)



Red (18%)

Yellow (32%)

Blue (41%)

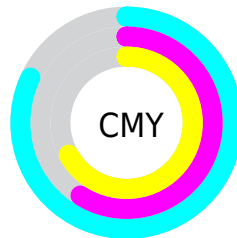


Cyan (56%)

Magenta (0%)

Yellow (19%)

Black (59%)



Cyan (82%)

Magenta (59%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8180, 11.3399, 10.3711 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 7.8180, 11.3399, 10.3711 by changing the saturation by 10% instead.

■ 7.8180, 11.3399,
10.3711

■ 7.8180, 11.3399,
10.3711

168.6984,
199.9849, 203.8806

■ 4.0295, 6.2959,
5.5369

■ 21.2897, 28.2870,
27.1099

■ 1.7189, 3.0259,
2.5014

■ 31.7037, 40.9589,
39.8515

■ 0.4680, 1.1452,
0.8409

■ 45.0569, 56.9423,
56.0660

■ 0.0000, 0.0163,
0.0000

■ 61.7146, 76.6216,
76.1719

■ 0.0000, 0.0000,
0.0000

■ 82.0423, 100.3810,
100.5878

■ 106.4052,

128.6052, 129.7322

135.1688,
161.6783, 164.0236

■ 7.8180, 11.3399,
10.3711

■ 7.8180, 11.3399,
10.3711

■ 7.2639, 11.0705,
9.6256

■ 8.4956, 11.6728,
11.1600

■ 6.8236, 10.8586,
8.9218

■ 9.3037, 12.0718,
11.9925

■ 6.4877, 10.6998,
8.2589

■ 10.2497, 12.5410,
12.8696

■ 6.2316, 10.5813,
7.6353

■ 11.3401, 13.0838,
13.7922

■ 6.1386, 10.5383,
7.4071

■ 12.5813, 13.7035,
14.7610

■ 13.9790, 14.4031,
15.7769

■ 15.5388, 15.1852,
16.8405

■ 17.2658, 16.0527,
17.9526

■ 19.1652, 17.0081,
19.1139

Harmonies

Analogous

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



8.4860, 11.3399, 6.9132



7.8180, 11.3399, 10.3711



7.8783, 11.3399, 15.4663

Triad

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



7.8180, 11.3399, 10.3711



11.8184, 11.3399, 24.0002



13.2155, 11.3399, 6.5249

Complementary

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



7.8180, 11.3399, 10.3711



7.7865, 5.3509, 5.7771

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.



14.3146, 11.3399, 9.6785



7.8180, 11.3399, 10.3711



13.4500, 11.3399, 20.0706

Square

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



7.8180, 11.3399, 10.3711



10.0641, 11.3399, 24.3340



14.4048, 11.3399, 14.5597



11.5253, 11.3399, 5.1310

Rectangle

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



7.8180, 11.3399, 10.3711



8.3232, 11.3399, 19.1776



14.4048, 11.3399, 14.5597



13.6739, 11.3399, 7.3683

Sweetspot

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



7.8183, 11.3404, 10.3714



20.0363, 23.2933, 24.4763



7.8359, 11.4819, 4.3882



4.6294, 5.4245, 5.6807



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.8183, 11.3404, 10.3714



12.7708, 19.7084, 16.8826



7.8735, 9.9944, 14.8793



3.1403, 3.4753, 3.7229



7.7548, 13.3360, 9.2860



39.0969, 67.7858, 45.1185

Inverse Universe

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



7.7865, 5.3509, 5.7771



12.7165, 7.8202, 7.8081



7.6783, 5.9190, 3.3227



3.1382, 3.1321, 3.4579



7.7555, 3.9543, 2.3411



39.1473, 20.0009, 9.9783

Previews

White Background



This preview shows how the XYZ color 7.8180, 11.3399, 10.3711 looks on a white background.

Color Contrast Check

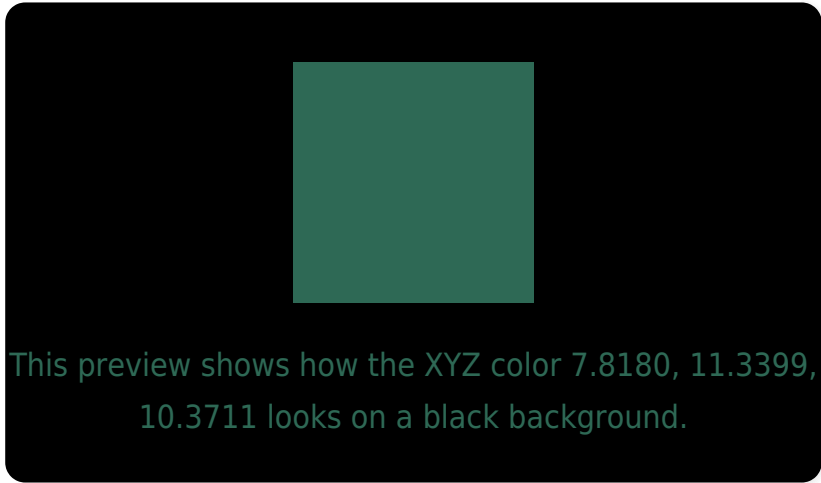
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 7.8180, 11.3399, 10.3711

Background



This preview shows how black text looks on a background with the XYZ color 7.8180, 11.3399, 10.3711.



This preview shows how white text looks on a background with the XYZ color 7.8180, 11.3399, 10.3711.

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

7.8180, 11.3399, 10.3711

Protanopia

10.5596, 11.2226, 9.0068

Deuteranopia

11.4464, 11.2509, 10.8009



Tritanopia

9.0872, 11.4128, 16.4758

Trichromacy



Original Color

7.8180, 11.3399, 10.3711

Protanomaly

9.1612, 11.0349, 9.4317

Deuteranomaly

9.5593, 10.9387, 10.6244

Tritanomaly

8.5645, 11.3439, 14.0501

Monochromacy



Original Color

7.8180, 11.3399, 10.3711

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.0654, 9.6498, 10.0318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8180, 11.3399, 10.3711 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(46, 105, 85)` looks like.

```
.text, #text, p{  
    color:rgb(46, 105, 85)  
}
```

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(46, 105, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 105, 85) }
```

Border

The CSS property to change the border of an element to XYZ 7.8180, 11.3399, 10.3711 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(46, 105, 85) }
```


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

```
.border{ border-color:rgb(46, 105, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 105, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 105, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 105, 85);  
box-shadow:4px 4px 4px 4px rgb(46, 105,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8180, 11.3399, 10.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 105, 85) }
```

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

```
.background{ background-color: rgb(46, 105,  
85) }
```

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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