

Converting Colors

XYZ(3.7658, 4.1766, 4.5345)

Have a look what the booklet for
XYZ(3.7658, 4.1766, 4.5345)
contains.

XYZ(3.7707, 4.1802, 4.4790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(3.7707, 4.1802, 4.4790)

Conversions

Conversions Part 1

Format	Color
Hex	353B39
RGB	53, 59, 57
RGB Percent	21%, 23%, 22%
CMY	0.7922, 0.7686, 0.7765
CMYK	0.10, 0.00, 0.03, 0.77
HSL	160°, 5%, 22%
HSV	160°, 10%, 23%
XYZ	3.7707, 4.1802, 4.4790
YIQ	56.9780, -2.9340, -1.8940

Conversions

Conversions Part 2

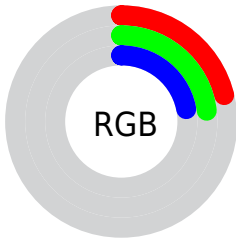
Format	Color
R_{YB}	53, 57, 59
Decimal	3488569
CIE Lab	24.26, -3.00, 0.37
CIE LCh	24, 3.022, 172.954
Yxy	4.1802, 0.3034, 0.3363
Android (android.graphics.Color)	4281678649 (0xFF353B39)
YUV	56.9780, 0.0108, -3.4887
Hunter-Lab	20.4455, -2.8596, 1.3232

Details

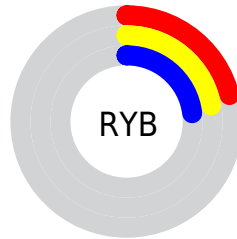
The XYZ color **3.7707, 4.1802, 4.4790** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3.7665, 3.7520, 4.1404**, and the grayscale version is **3.8865, 4.0889, 4.4528**.

A 20% lighter version of the original color is **12.9083, 14.0169, 15.1219**, and **0.3799, 0.4842, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **3.4314, 4.0109, 4.2119**, and if you desaturate by 10%, it is **4.1504, 4.3703, 4.7581**.

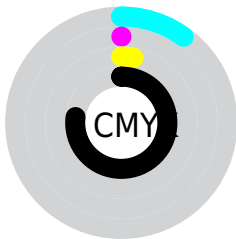
Distribution



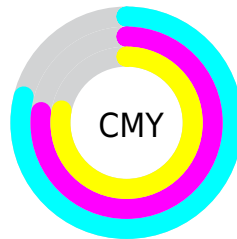
- Red (21%)
- Green (23%)
- Blue (22%)



- Red (21%)
- Yellow (22%)
- Blue (23%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (77%)



- Cyan (79%)
- Magenta (77%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 3.7707, 4.1802, 4.4790 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 3.7707, 4.1802, 4.4790 by changing the saturation by 10% instead.

■ 3.7707, 4.1802,
4.4790

■ 3.7707, 4.1802,
4.4790

■ 132.4355,
141.5936, 153.4093

■ 1.5732, 1.7749,
1.8916

■ 12.8673, 14.0178,
15.1002

■ 0.3749, 0.4714,
0.4874

■ 20.4972, 22.2189,
23.9712

■ 0.0000, 0.0000,
0.0000

■ 30.6685, 33.1206,
35.7737

■ 43.7468, 47.1074,
50.9264

■ 60.0972, 64.5638,
69.8477

■ 80.0853, 85.8740,

92.9563

104.0762,
111.4225, 120.6707

■ 3.7707, 4.1802,
4.4790

■ 3.7707, 4.1802,
4.4790

■ 3.4314, 4.0109,
4.2119

■ 4.1504, 4.3703,
4.7581

■ 3.1306, 3.8613,
3.9563

■ 4.5714, 4.5813,
5.0491

■ 2.8671, 3.7305,
3.7122

■ 5.0352, 4.8142,
5.3523

■ 2.6393, 3.6180,
3.4794

■ 5.5429, 5.0695,
5.6677

■ 2.4453, 3.5227,
3.2576

■ 6.0958, 5.3478,
5.9957

■ 2.2835, 3.4438,
3.0467

■ 6.6948, 5.6497,
6.3363

■ 2.1517, 3.3802,
2.8465

■ 7.3412, 5.9758,
6.6896

■ 2.0414, 3.3274,
2.6564

■ 8.0360, 6.3265,
7.0559

■ 1.9357, 3.2767,
2.4783

■ 8.7801, 6.7025,
7.4353

Harmonies

Analogous

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



3.8098, 4.1802, 4.2027



3.7707, 4.1802, 4.4790



3.7851, 4.1802, 4.7873

Triad

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



3.7707, 4.1802, 4.4790



4.0547, 4.1802, 5.1211



4.0995, 4.1802, 4.0934

Complementary

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



3.7707, 4.1802, 4.4790



3.7665, 3.7520, 4.1404

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.



4.1674, 4.1802, 4.3236



3.7707, 4.1802, 4.4790



4.1411, 4.1802, 4.9191

Square

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



3.7707, 4.1802, 4.4790



3.9477, 4.1802, 5.1673



4.1827, 4.1802, 4.6248



3.9987, 4.1802, 3.9867

Rectangle

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



3.7707, 4.1802, 4.4790



3.8232, 4.1802, 4.9687



4.1827, 4.1802, 4.6248



4.1270, 4.1802, 4.1584

Sweetspot

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



3.7708, 4.1804, 4.4791



6.7542, 7.2202, 7.8269



3.7878, 4.2002, 3.9794



1.7997, 1.9287, 2.0892



36.1244, 38.0056, 41.3881



1.8636, 1.9607, 2.1352

Same Dimension

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



3.7708, 4.1804, 4.4791



6.1730, 6.9296, 7.3921



3.7759, 4.1090, 4.7319



1.1750, 1.2913, 1.3876



4.9279, 8.4254, 6.0526



31.4164, 54.2969, 36.7873

Inverse Universe

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



3.7665, 3.7520, 4.1404



6.1642, 6.0566, 6.7018



3.7609, 3.8160, 3.9067



1.1739, 1.1805, 1.3001



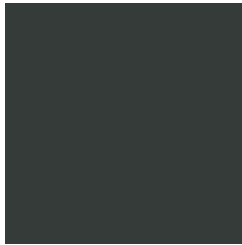
4.9055, 2.4996, 1.5525



31.3137, 16.0001, 7.9130

Previews

White Background



This preview shows how the XYZ color 3.7707, 4.1802, 4.4790 looks on a white background.

Color Contrast Check

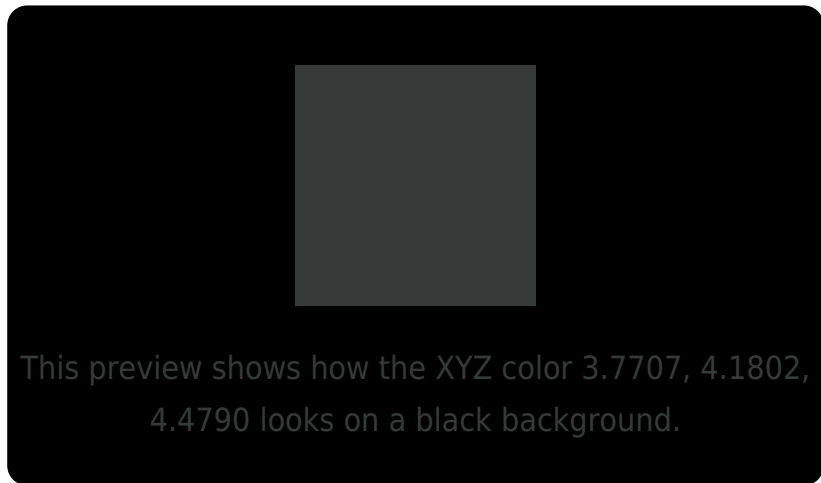
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

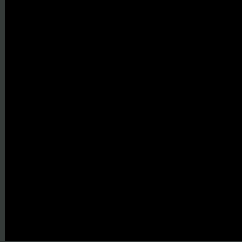
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

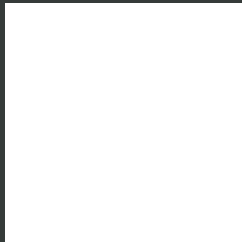
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 3.7707, 4.1802, 4.4790

Background



This preview shows how black text looks on a background with the XYZ color 3.7707, 4.1802, 4.4790.

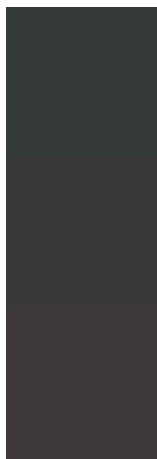


This preview shows how white text looks on a background with the XYZ color 3.7707, 4.1802, 4.4790.

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

3.7707, 4.1802, 4.4790

Protanopia

3.9806, 4.1416, 4.3310

Deuteranopia

4.2278, 4.1906, 4.5890



Tritanopia

3.9316, 4.1693, 5.3002

Trichromacy



Original Color

3.7707, 4.1802, 4.4790

Protanomaly

3.9142, 4.1815, 4.3422

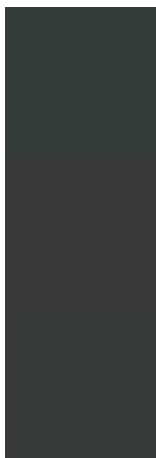
Deuteranomaly

4.0305, 4.1615, 4.5938

Tritanomaly

3.8767, 4.1473, 5.0111

Monochromacy



Original Color

3.7707, 4.1802, 4.4790

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

3.8825, 4.1623, 4.4697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 3.7707, 4.1802, 4.4790 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(53, 59, 57)` looks like.

```
.text, #text, p{  
    color:rgb(53, 59, 57)  
}
```

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(53, 59, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 59, 57) }
```

Border

The CSS property to change the border of an element to XYZ 3.7707, 4.1802, 4.4790 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(53, 59, 57) }
```

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

```
.border{ border-color:rgb(53, 59, 57) }
```

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

Here you see how a box with a 4 pixel rgb(53, 59, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 59, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 59, 57);  
box-shadow:4px 4px 4px 4px rgb(53, 59, 57)  
}
```


Background

The CSS property to change the background color of an element to XYZ 3.7707, 4.1802, 4.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 59, 57) }
```

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

```
.background{ background-color: rgb(53, 59,  
57) }
```

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