

Converting Colors

XYZ(6.7802, 10.3481, 5.3207)

Have a look what the booklet for
XYZ(6.7802, 10.3481, 5.3207)
contains.

XYZ(6.7837, 10.3229, 5.3764)	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(6.7837, 10.3229,
5.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	346538
RGB	52, 101, 56
RGB Percent	20%, 40%, 22%
CMY	0.7961, 0.6039, 0.7804
CMYK	0.49, 0.00, 0.45, 0.60
HSL	125°, 32%, 30%
HSV	125°, 49%, 40%
XYZ	6.7837, 10.3229, 5.3764
YIQ	81.2190, -14.7590, -24.3830

Conversions

Conversions Part 2

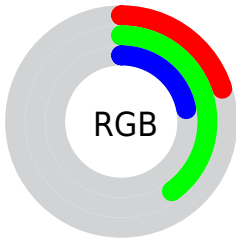
Format	Color
RYB	52, 97, 101
Decimal	3433784
CIELab	38.42, -27.15, 20.45
CIELCh	38, 33.987, 143.016
Yxy	10.3229, 0.3017, 0.4591
Android (android.graphics.Color)	4281623864 (0xFF346538)
YUV	81.2190, -12.4330, -25.6251
Hunter-Lab	32.1293, -18.5381, 12.5691

Details

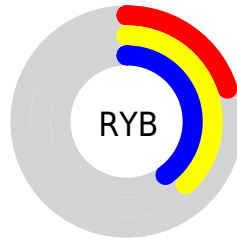
The XYZ color **6.7837, 10.3229, 5.3764** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.7529, 6.0861, 12.0232**, and the grayscale version is **7.8906, 8.3016, 9.0404**.

A 20% lighter version of the original color is **19.2064, 26.2807, 17.1571**, and **1.3395, 2.5728, 0.7738** is the 20% darker color. If you saturate the color by 10%, you get **6.1122, 10.0009, 4.2686**, and if you desaturate by 10%, it is **7.6090, 10.7200, 6.7114**.

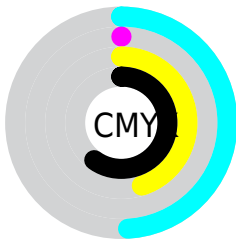
Distribution



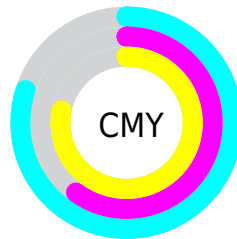
- Red (20%)
- Green (40%)
- Blue (22%)



- Red (20%)
- Yellow (38%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (45%)
- Black (60%)



- Cyan (80%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.7837, 10.3229, 5.3764 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 6.7837, 10.3229, 5.3764 by changing the saturation by 10% instead.

■ 6.7837, 10.3229,
5.3764

■ 6.7837, 10.3229,
5.3764

160.4383,
192.9614, 162.4769

■ 3.3723, 5.6136,
2.4072

■ 19.2458, 26.4011,
17.0769

■ 1.3536, 2.6116,
0.7904

■ 29.0272, 38.5388,
26.6452

■ 0.2228, 0.9325,
0.0000

■ 41.6627, 53.9213,
39.2504

■ 0.0000, 0.0000,
0.0000

■ 57.5176, 72.9332,
55.3109

■ 76.9572, 95.9587,
75.2452

■ 100.3470,

123.3823, 99.4720

128.0522,
155.5884, 128.4097

■ 6.7837, 10.3229,
5.3764

■ 6.7837, 10.3229,
5.3764

■ 6.1122, 10.0009,
4.2686

■ 7.6090, 10.7200,
6.7114

■ 5.5844, 9.7480,
3.3748

■ 8.5962, 11.1951,
8.2845

■ 5.1899, 9.5596,
2.6812


■ 9.7534, 11.7525,
10.1068


■ 4.9166, 9.4297,
2.1725


■ 11.0882, 12.3959,
12.1885


■ 4.7253, 9.3385,
1.8298


■ 12.6077, 13.1288,
14.5391

 4.6990, 9.3257,
1.7891

 14.3184, 13.9543,
17.1678

 16.2268, 14.8756,
20.0832

 18.3389, 15.8955,
23.2937

 20.6604, 17.0169,
26.8073

Harmonies

Analogous

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



8.2367, 10.3229, 3.3290



6.7837, 10.3229, 5.3764



6.1578, 10.3229, 9.8190

Triad

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



6.7837, 10.3229, 5.3764



9.3020, 10.3229, 28.2467



14.2841, 10.3229, 7.1084

Complementary

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



6.7837, 10.3229, 5.3764



8.7529, 6.0861, 12.0232

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.



14.6833, 10.3229, 12.7916



6.7837, 10.3229, 5.3764



11.5755, 10.3229, 26.6481

Square

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



6.7837, 10.3229, 5.3764



7.4628, 10.3229, 24.0934



13.6282, 10.3229, 20.3064



12.6077, 10.3229, 4.0335

Rectangle

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



6.7837, 10.3229, 5.3764



6.2151, 10.3229, 14.2215



13.6282, 10.3229, 20.3064



14.5816, 10.3229, 8.7071

Sweetspot

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



6.7840, 10.3233, 5.3766



17.4195, 20.5013, 18.4077



10.2822, 12.1376, 5.0499



4.2046, 5.0051, 4.4018



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



6.7840, 10.3233, 5.3766



10.3805, 17.1147, 7.1399



7.5095, 10.6136, 9.1975



2.8054, 3.1459, 3.0769



6.1536, 12.2251, 2.3043



31.9509, 63.7029, 11.2632

Inverse Universe

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



8.7529, 6.0861, 12.0232



14.1932, 8.8988, 20.0029



7.8055, 5.7071, 7.0345



2.9267, 2.8854, 3.4867



9.6070, 4.6557, 13.8605



49.9526, 24.2210, 71.4847

Previews

White Background



This preview shows how the XYZ color 6.7837, 10.3229, 5.3764 looks on a white background.

Color Contrast Check

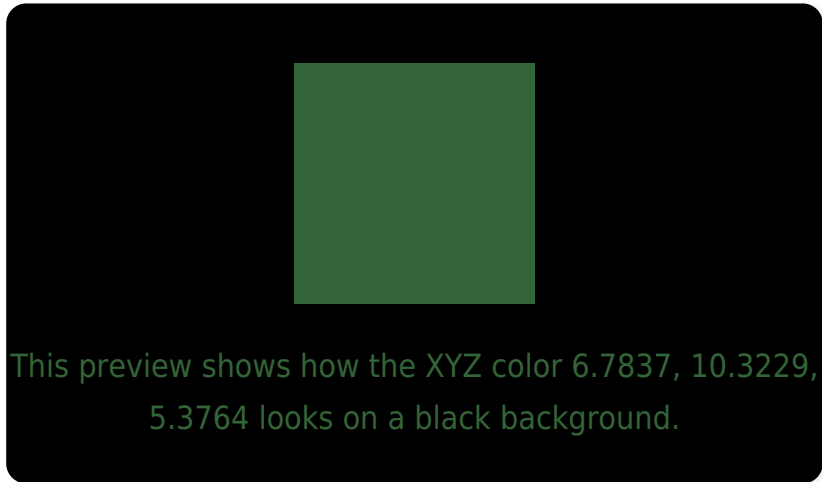
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.7837, 10.3229, 5.3764

Background



This preview shows how black text looks on a background with the XYZ color 6.7837, 10.3229, 5.3764.



This preview shows how white text looks on a background with the XYZ color 6.7837, 10.3229,

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

6.7837, 10.3229, 5.3764

Protanopia

9.4216, 10.2129, 4.7235

Deuteranopia

10.3277, 10.1700, 5.6936



Tritanopia

8.6177, 10.3691, 14.3792

Trichromacy



Original Color

6.7837, 10.3229, 5.3764

Protanomaly

8.1250, 10.0563, 4.8810

Deuteranomaly

8.5550, 9.8726, 5.5924

Tritanomaly

7.7923, 10.3068, 10.3828

Monochromacy



Original Color

6.7837, 10.3229, 5.3764

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.1852, 8.7494, 7.4410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7837, 10.3229, 5.3764 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(52, 101, 56)` looks like.

```
.text, #text, p{  
    color:rgb(52, 101, 56)  
}
```

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(52, 101, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 101, 56) }
```

Border

The CSS property to change the border of an element to XYZ 6.7837, 10.3229, 5.3764 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(52, 101, 56) }
```


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

```
.border{ border-color:rgb(52, 101, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 101, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 101, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 101, 56);  
box-shadow:4px 4px 4px 4px rgb(52, 101,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 6.7837, 10.3229, 5.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 101, 56) }
```

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

```
.background{ background-color: rgb(52, 101,  
56) }
```

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