

Converting Colors

XYZ(67.3840, 75.8155, 53.2018)

Have a look what the booklet for
XYZ(67.3840, 75.8155, 53.2018)
contains.

XYZ(67.3840, 75.8155, 53.2018)	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(67.3840, 75.8155,
53.2018)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E6B2
RGB	225, 230, 178
RGB Percent	88%, 90%, 70%
CMY	0.1176, 0.0980, 0.3020
CMYK	0.02, 0.00, 0.23, 0.10
HSL	66°, 51%, 80%
HSV	66°, 23%, 90%
XYZ	67.3840, 75.8155, 53.2018
YIQ	222.5770, 13.7120, -17.2320

Conversions

Conversions Part 2

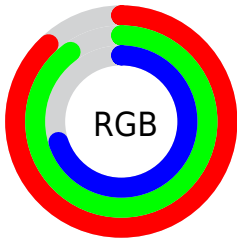
Format	Color
RYB	178, 230, 183
Decimal	14804658
CIELab	89.77, -10.08, 24.84
CIElCh	90, 26.811, 112.093
Yxy	75.8155, 0.3431, 0.3860
Android (android.graphics.Color)	4292994738 (0xFFE1E6B2)
YUV	222.5770, -21.9765, 2.1250
Hunter-Lab	87.0721, -14.2373, 24.7238

Details

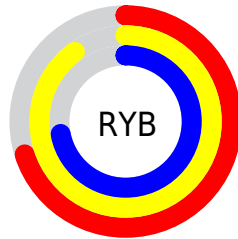
The XYZ color **67.3840, 75.8155, 53.2018** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.7347, 47.6232, 81.4380**, and the grayscale version is **69.9849, 73.6296, 80.1826**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **35.3938, 40.5756, 25.3685** is the 20% darker color. If you saturate the color by 10%, you get **64.5807, 74.6175, 42.0098**, and if you desaturate by 10%, it is **70.5875, 77.1797, 66.4367**.

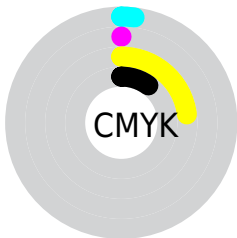
Distribution



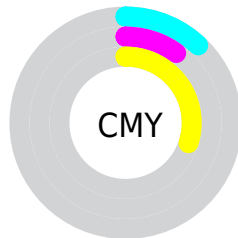
- Red (88%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (72%)



- Cyan (2%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3840, 75.8155, 53.2018 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 67.3840, 75.8155, 53.2018 by changing the saturation by 10% instead.

67.3840, 75.8155,
53.2018

67.3840, 75.8155,
53.2018

440.7214,
480.7159, 416.1471

49.6686, 56.2812,
37.5751

114.5172,
127.4661, 96.3458

35.3669, 40.4284,
25.3538

144.6658,
160.3512, 124.7001

24.1135, 27.8728,
16.1194

179.6894,
198.4553, 158.1341

15.5430, 18.2298,
9.4534

219.9535,
242.1629, 197.0662

9.2901, 11.1151,
4.9373

265.8234,
291.8584, 241.9151

4.9895, 6.1443,
2.1524

317.6644,

2.2758, 2.9330,

347.9261, 293.0991

0.6467

375.8420,
410.7505, 351.0369

■ 0.7822, 1.0969,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3840, 75.8155,
53.2018

■ 67.3840, 75.8155,
53.2018

■ 64.5807, 74.6175,
42.0098

■ 70.5875, 77.1797,
66.4367

■ 62.1523, 73.5680,
32.7544

■ 74.2032, 78.7073,
81.8043

■ 60.0797, 72.6618,
25.3267

■ 78.2500, 80.4083,
99.3948

■ 58.3400, 71.8898,
19.6053

■ 80.2326, 81.2848,
106.0686

■ 56.9072, 71.2416,
15.4542

■ 80.9635, 81.6615,
106.1028

■ 55.7515, 70.7052,
12.7164

■ 81.7034, 82.0430,
106.1374

■ 54.8370, 70.2663,
11.2028

■ 82.4524, 82.4291,
106.1724

■ 54.2738, 69.9876,
10.6484

■ 83.2107, 82.8200,
106.2079

■ 83.9781, 83.2156,
106.2438

Harmonies

Analogous

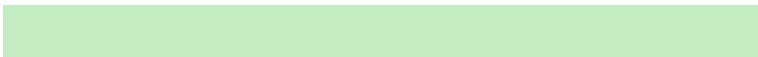
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8235, 75.8155, 51.4844



67.3840, 75.8155, 53.2018



62.4881, 75.8155, 62.1410

Triad

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



67.3840, 75.8155, 53.2018



64.5286, 75.8155, 114.7375



85.3999, 75.8155, 87.6610

Complementary

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



67.3840, 75.8155, 53.2018



49.7347, 47.6232, 81.4380

Split Complementary

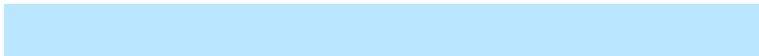
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5634, 75.8155, 107.0003



67.3840, 75.8155, 53.2018



70.3255, 75.8155, 124.1185

Square

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



67.3840, 75.8155, 53.2018



60.9112, 75.8155, 97.0147



76.9482, 75.8155, 121.0894



84.4932, 75.8155, 69.6000

Rectangle

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



67.3840, 75.8155, 53.2018



60.6278, 75.8155, 71.8538



76.9482, 75.8155, 121.0894



84.8468, 75.8155, 94.2587

Sweetspot

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



67.3860, 75.8189, 53.2034



91.6787, 98.5788, 94.4313



57.4678, 53.6319, 49.4436



19.5635, 21.0748, 19.9590



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



67.3860, 75.8189, 53.2034



83.4828, 95.0963, 60.4934



60.0659, 72.0452, 52.8608



15.4577, 16.7430, 15.3215



30.7826, 39.6505, 6.0309



2.3147, 2.9506, 0.4475

Inverse Universe

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



49.7347, 47.6232, 81.4380



57.5759, 53.7092, 101.9401



56.3119, 51.0139, 81.7458



13.7109, 13.9532, 18.1149



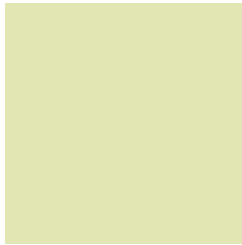
8.3206, 3.3553, 42.5923



0.6590, 0.2707, 3.1495

Previews

White Background



This preview shows how the XYZ color 67.3840, 75.8155, 53.2018 looks on a white background.

Color Contrast Check

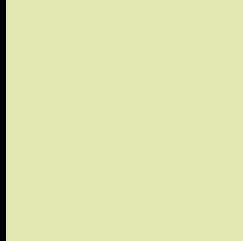
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.3840, 75.8155, 53.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

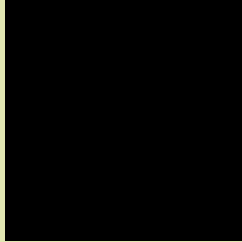
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

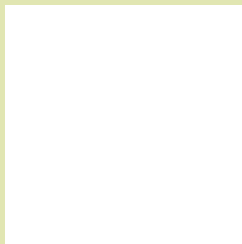
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3840, 75.8155, 53.2018

Background



This preview shows how black text looks on a background with the XYZ color 67.3840, 75.8155, 53.2018.



This preview shows how white text looks on a background with the XYZ color 67.3840, 75.8155,

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

67.3840, 75.8155, 53.2018

Protanopia

70.6969, 75.5103, 51.9231

Deuteranopia

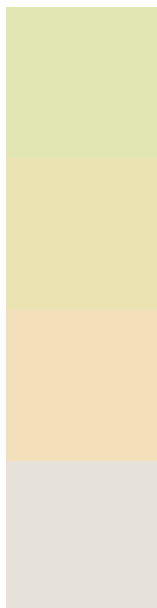
76.0859, 75.7288, 60.4761



Tritanopia

75.3055, 75.7982, 92.3228

Trichromacy



Original Color

67.3840, 75.8155, 53.2018

Protanomaly

69.6658, 75.7747, 52.5492

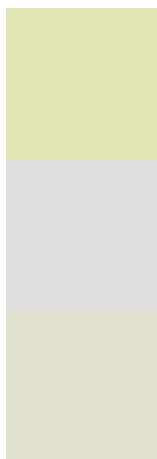
Deuteranomaly

72.6655, 75.5963, 57.7754

Tritanomaly

72.0827, 75.6832, 76.4548

Monochromacy



Original Color

67.3840, 75.8155, 53.2018

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1993, 74.7450, 69.8115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3840, 75.8155, 53.2018 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(225, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 178)  
}
```

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(225, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 178) }
```

Border

The CSS property to change the border of an element to XYZ 67.3840, 75.8155, 53.2018 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(225, 230, 178) }
```


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

```
.border{ border-color:rgb(225, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 230, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 230, 178); box-shadow:4px 4px 4px 4px rgb(225, 230, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3840, 75.8155, 53.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 178) }
```

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

```
.background{ background-color: rgb(225,  
230, 178) }
```

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