

Converting Colors

XYZ(70.2896, 81.0583, 33.8157)

Have a look what the booklet for
XYZ(70.2896, 81.0583, 33.8157)
contains.

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Color

**XYZ(70.3360, 81.1657,
33.7892)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEE84
RGB	239, 238, 132
RGB Percent	94%, 93%, 52%
CMY	0.0627, 0.0666, 0.4823
CMYK	0.00, 0.00, 0.45, 0.06
HSL	59°, 77%, 73%
HSV	59°, 45%, 94%
XYZ	70.3360, 81.1657, 33.7892
YIQ	226.2150, 34.6220, -32.7540

Conversions

Conversions Part 2

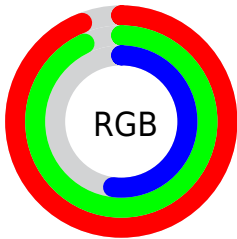
Format	Color
R_{YB}	133, 239, 132
Decimal	15724164
CIE _{Lab}	92.21, -14.15, 51.16
CIE _{LCh}	92, 53.076, 105.460
Yxy	81.1657, 0.3796, 0.4380
Android (android.graphics.Color)	4293914244 (0xFFEFEE84)
YUV	226.2150, -46.4480, 11.2124
Hunter-Lab	90.0920, -18.3037, 40.8276

Details

The XYZ color **70.3360, 81.1657, 33.7892** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.4832, 27.9119, 85.2840**, and the grayscale version is **72.7542, 76.5431, 83.3554**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **37.1953, 43.8442, 13.8995** is the 20% darker color. If you saturate the color by 10%, you get **68.8206, 80.4591, 26.1190**, and if you desaturate by 10%, it is **72.2301, 82.0297, 43.4358**.

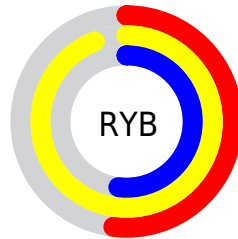
Distribution



Red (94%)

Green (93%)

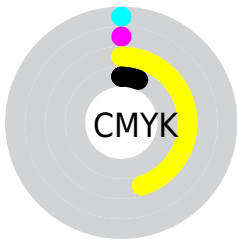
Blue (52%)



Red (52%)

Yellow (94%)

Blue (52%)

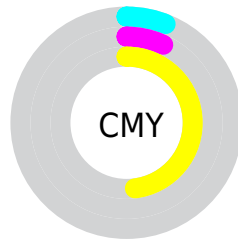


Cyan (0%)

Magenta (0%)

Yellow (45%)

Black (6%)



Cyan (6%)


Magenta (7%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3360, 81.1657, 33.7892 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 70.3360, 81.1657, 33.7892 by changing the saturation by 10% instead.


 70.3360, 81.1657,
33.7892

 70.3360, 81.1657,
33.7892


450.9769,
498.8527, 333.9315


 52.0811, 60.6781,
22.4557


 118.7114,
135.0034, 66.7359

 37.2942, 43.9654,
13.9906


 149.5627,
169.1223, 89.1861

 25.6101, 30.6433,
7.9754

 185.3434,
208.5537, 116.1789

 16.6633, 20.3274,
3.9917

226.4190,
253.6820, 148.1329

 10.0886, 12.6333,
1.6208

273.1548,
304.8917, 185.4666

 5.5204, 7.1765,
0.3056

325.9161,

 2.5936, 3.5727,

362.5671, 228.5986

0.0000

385.0684,
427.0927, 277.9474

■ 0.9427, 1.4375,
0.0000

■ 0.0000, 0.2441,
0.0000

■ 70.3360, 81.1657,
33.7892

■ 70.3360, 81.1657,
33.7892

■ 68.8206, 80.4591,
26.1190

■ 72.2301, 82.0297,
43.4358

■ 67.6520, 79.8885,
20.2836


■ 74.5205, 83.0495,
55.1773


■ 66.8030, 79.4458,
16.1307


■ 77.2306, 84.2373,
69.1290


■ 66.2397, 79.1175,
13.4815


■ 80.3806, 85.6011,
85.3962

 65.9203, 78.8869,
12.1165


 83.9890, 87.1484,
104.0776

 65.8172, 78.7919,
11.7394

 84.6121, 87.5018,
107.0377

 84.6773, 87.6321,
107.0595

 84.7425, 87.7625,
107.0812

 84.8078, 87.8931,
107.1030

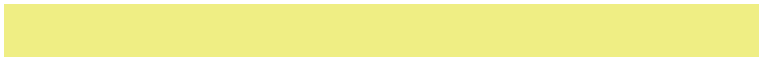
Harmonies

Analogous

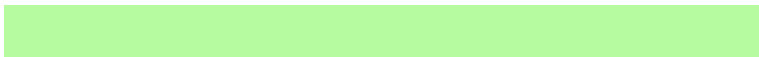
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9486, 81.1657, 33.6245



70.3360, 81.1657, 33.7892



59.8551, 81.1657, 45.3248

Triad

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



70.3360, 81.1657, 33.7892



60.1076, 81.1657, 153.7755



105.5505, 81.1657, 108.6977

Complementary

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



70.3360, 81.1657, 33.7892



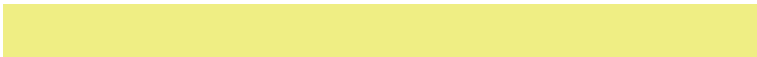
33.4832, 27.9119, 85.2840

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.



97.4813, 81.1657, 152.5412



70.3360, 81.1657, 33.7892



70.7204, 81.1657, 183.3393

Square

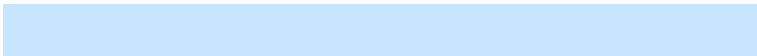
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3360, 81.1657, 33.7892



54.4437, 81.1657, 110.0447



84.3810, 81.1657, 182.8305



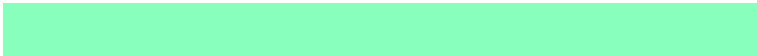
105.4158, 81.1657, 69.7560

Rectangle

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



70.3360, 81.1657, 33.7892



55.5820, 81.1657, 60.6038



84.3810, 81.1657, 182.8305



103.6693, 81.1657, 123.5510

Sweetspot

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



70.3380, 81.1694, 33.7909



90.0666, 97.8496, 83.1417



48.1364, 36.5693, 26.9976



19.1157, 20.8732, 16.9590



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.



70.3380, 81.1694, 33.7909



79.8219, 93.2582, 30.7158



55.5948, 73.9997, 33.1840



17.1096, 18.4324, 16.8057



36.3779, 43.5539, 6.4894



3.0303, 3.6313, 0.5412

Inverse Universe

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



33.4832, 27.9119, 85.2840



31.9733, 24.1163, 97.5775



43.5313, 32.8909, 85.7155



14.9091, 15.2522, 19.8798



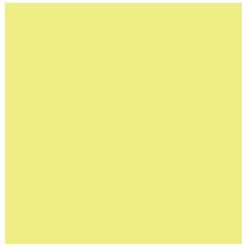
8.6284, 3.4810, 45.3450



0.7219, 0.2978, 3.7737

Previews

White Background



This preview shows how the XYZ color 70.3360, 81.1657, 33.7892 looks on a white background.

Color Contrast Check

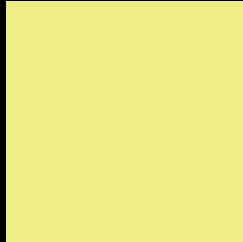
Large Text (above 18pt) WCAG AA × Fail

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 70.3360, 81.1657, 33.7892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

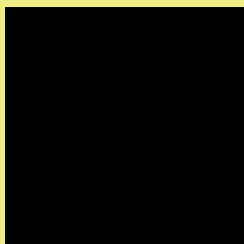
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3360, 81.1657, 33.7892

Background



This preview shows how black text looks on a background with the XYZ color 70.3360, 81.1657, 33.7892.



This preview shows how white text looks on a background with the XYZ color 70.3360, 81.1657,

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

70.3360, 81.1657, 33.7892

Protanopia

74.6126, 81.2313, 33.9370

Deuteranopia

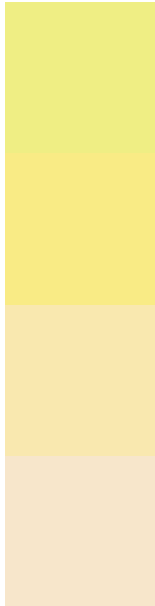
79.2922, 80.8703, 65.4632



Tritanopia

82.8865, 80.8307, 96.0273

Trichromacy



Original Color

70.3360, 81.1657, 33.7892

Protanomaly

73.0089, 81.2499, 34.0251

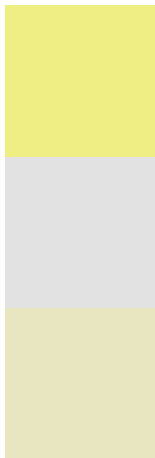
Deuteranomaly

75.6614, 80.9481, 52.1942

Tritanomaly

77.4341, 80.6796, 67.9914

Monochromacy



Original Color

70.3360, 81.1657, 33.7892

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.7662, 77.3883, 61.0768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3360, 81.1657, 33.7892 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(239, 238, 132)` looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 132)  
}
```

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(239, 238, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 132) }
```

Border

The CSS property to change the border of an element to XYZ 70.3360, 81.1657, 33.7892 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(239, 238, 132) }
```


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

```
.border{ border-color:rgb(239, 238, 132) }
```

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

Here you see how a box with a 4 pixel rgb(239, 238, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 238, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 238, 132);  
box-shadow:4px 4px 4px 4px rgb(239, 238,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3360, 81.1657, 33.7892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 132) }
```

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

```
.background{ background-color: rgb(239,  
238, 132) }
```

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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