

Converting Colors

XYZ(40.8808, 60.3976, 32.9674)

Have a look what the booklet for
XYZ(40.8808, 60.3976, 32.9674)
contains.

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Color

**XYZ(40.8849, 60.5335,
32.8218)**

Conversions

Conversions Part 1

Format	Color
Hex	84E188
RGB	132, 225, 136
RGB Percent	52%, 88%, 53%
CMY	0.4823, 0.1176, 0.4667
CMYK	0.41, 0.00, 0.40, 0.12
HSL	123°, 61%, 70%
HSV	123°, 41%, 88%
XYZ	40.8849, 60.5335, 32.8218
YIQ	187.0470, -26.8590, -47.3950

Conversions

Conversions Part 2

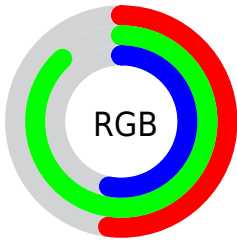
Format	Color
RYB	132, 221, 225
Decimal	8708488
CIELab	82.13, -45.53, 35.08
CIElCh	82, 57.476, 142.380
Yxy	60.5335, 0.3046, 0.4509
Android (android.graphics.Color)	4286898568 (0xFF84E188)
YUV	187.0470, -25.1662, -48.2762
Hunter-Lab	77.8033, -42.3556, 29.4504

Details

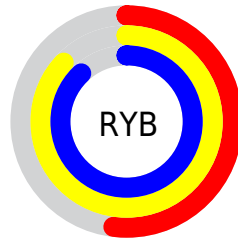
The XYZ color **40.8849, 60.5335, 32.8218** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **52.3557, 37.7318, 72.9324**, and the grayscale version is **47.4103, 49.8793, 54.3186**.

A 20% lighter version of the original color is **66.0405, 86.0565, 61.8451**, and **18.8082, 30.5683, 13.5033** is the 20% darker color. If you saturate the color by 10%, you get **36.3590, 58.3615, 25.4088**, and if you desaturate by 10%, it is **46.4801, 63.2248, 41.8921**.

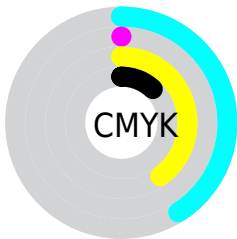
Distribution



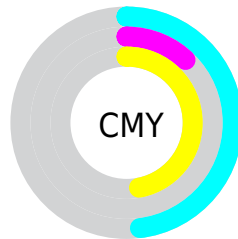
- Red (52%)
- Green (88%)
- Blue (53%)



- Red (52%)
- Yellow (87%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (40%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8849, 60.5335, 32.8218 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 40.8849, 60.5335, 32.8218 by changing the saturation by 10% instead.


 40.8849, 60.5335,
32.8218


 40.8849, 60.5335,
32.8218


340.9101,
426.5615, 329.4533


 28.4164, 43.8488,
21.7200


 75.7849, 105.6032,
65.2100

 18.7819, 30.5517,
13.4549


 98.9472, 134.7570,
87.3335

 11.6158, 20.2577,
7.6082


 126.4049,
168.8359, 113.9679

 6.5530, 12.5825,
3.7611

158.5231,
208.2243, 145.5318

 3.2280, 7.1417,
1.4952

195.6675,
253.3067, 182.4438

 1.2754, 3.5509,
0.2144

238.2032,

 0.1647, 1.4256,

304.4674, 225.1223

0.0000

286.4956,
362.0909, 273.9860

■ 0.0000, 0.2355,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8849, 60.5335,
32.8218

■ 40.8849, 60.5335,
32.8218

■ 36.3590, 58.3615,
25.4088

■ 46.4801, 63.2248,
41.8921

■ 32.8299, 56.6682,
19.5492


■ 53.2019, 66.4575,
52.7071


■ 30.2238, 55.4197,
15.1337


■ 61.1088, 70.2620,
65.3530


■ 28.4542, 54.5742,
12.0374

■ 70.2541, 74.6639,
79.9090

 27.4185, 54.0817,
10.1138

 80.6879, 79.6874,
96.4498

 26.9794, 53.8740,
9.2547

 86.2164, 82.3327,
105.9555

Harmonies

Analogous

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



49.0589, 60.5335, 21.2655



40.8849, 60.5335, 32.8218



37.2779, 60.5335, 57.3986

Triad

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



40.8849, 60.5335, 32.8218



54.4808, 60.5335, 157.4268



82.0631, 60.5335, 43.5000

Complementary

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



40.8849, 60.5335, 32.8218



52.3557, 37.7318, 72.9324

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.



84.0551, 60.5335, 75.2253



40.8849, 60.5335, 32.8218



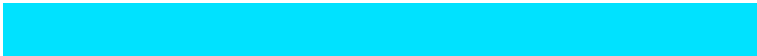
66.9358, 60.5335, 149.5801

Square

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



40.8849, 60.5335, 32.8218



44.3725, 60.5335, 134.7189



78.1850, 60.5335, 116.0060



73.0733, 60.5335, 25.7369

Rectangle

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



40.8849, 60.5335, 32.8218



37.5318, 60.5335, 81.3868



78.1850, 60.5335, 116.0060



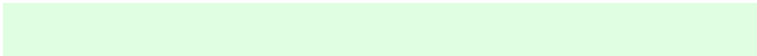
83.6203, 60.5335, 52.5324

Sweetspot

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



40.8864, 60.5360, 32.8231



80.3132, 92.9067, 85.4475



61.1862, 71.0332, 32.3162



16.8783, 19.7357, 17.7912



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.



40.8864, 60.5360, 32.8231



48.8197, 77.7636, 34.6217



44.8448, 62.1194, 53.6678



13.5526, 15.3468, 14.6790



15.5570, 31.0477, 5.3902



1.0869, 2.1555, 0.4186

Inverse Universe

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



52.3557, 37.7318, 72.9324



66.0734, 43.4400, 94.9465



47.0816, 35.6222, 45.1595



14.2682, 13.9249, 17.1826



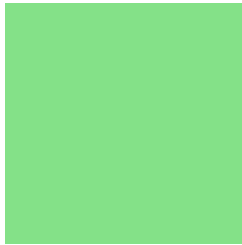
24.9966, 12.0656, 38.2434



1.7406, 0.8395, 2.6930

Previews

White Background



This preview shows how the XYZ color 40.8849, 60.5335, 32.8218 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 40.8849, 60.5335, 32.8218 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

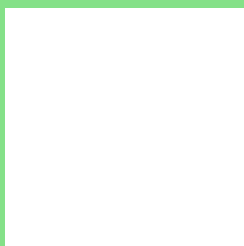
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8849, 60.5335, 32.8218

Background



This preview shows how black text looks on a background with the XYZ color 40.8849, 60.5335, 32.8218.

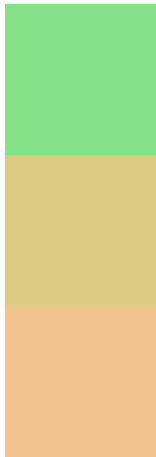


This preview shows how white text looks on a background with the XYZ color 40.8849, 60.5335,

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

40.8849, 60.5335, 32.8218

Protanopia

55.0055, 59.6163, 28.6867

Deuteranopia

60.8677, 59.4440, 34.2524



Tritanopia

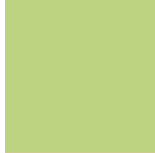
51.2329, 60.4420, 84.5675

Trichromacy



Original Color

40.8849, 60.5335, 32.8218



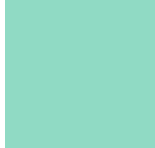
Protanomaly

48.3098, 59.0191, 29.9647



Deuteranomaly

50.9221, 58.1126, 33.3439



Tritanomaly

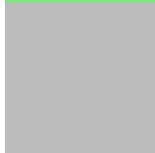
46.5368, 60.0576, 61.3641

Monochromacy



Original Color

40.8849, 60.5335, 32.8218



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.8909, 52.8159, 44.9270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8849, 60.5335, 32.8218 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(132, 225, 136)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 136)  
}
```

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(132, 225, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 136) }
```

Border

The CSS property to change the border of an element to XYZ 40.8849, 60.5335, 32.8218 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(132, 225, 136) }
```


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

```
.border{ border-color:rgb(132, 225, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 136);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8849, 60.5335, 32.8218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 225, 136) }
```

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

```
.background{ background-color: rgb(132,  
225, 136) }
```

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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