

Converting Colors

XYZ(40.9830, 61.6369, 30.6916)

Have a look what the booklet for
XYZ(40.9830, 61.6369, 30.6916)
contains.

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Color

**XYZ(40.8584, 61.3752,
30.8122)**

Conversions

Conversions Part 1

Format	Color
Hex	83E382
RGB	131, 227, 130
RGB Percent	51%, 89%, 51%
CMY	0.4863, 0.1098, 0.4902
CMYK	0.42, 0.00, 0.43, 0.11
HSL	119°, 63%, 70%
HSV	119°, 43%, 89%
XYZ	40.8584, 61.3752, 30.8122
YIQ	187.2380, -26.0790, -50.5190

Conversions

Conversions Part 2

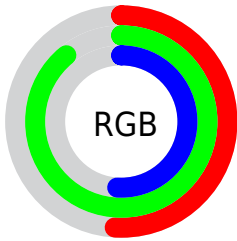
Format	Color
RYB	130, 227, 226
Decimal	8643458
CIELab	82.58, -47.56, 38.66
CIElCh	83, 61.289, 140.893
Yxy	61.3752, 0.3071, 0.4613
Android (android.graphics.Color)	4286833538 (0xFF83E382)
YUV	187.2380, -28.2183, -49.3207
Hunter-Lab	78.3423, -44.0048, 31.5207

Details

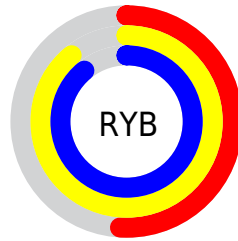
The XYZ color **40.8584, 61.3752, 30.8122** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **53.2148, 37.6821, 77.1450**, and the grayscale version is **47.5347, 50.0102, 54.4611**.

A 20% lighter version of the original color is **65.1508, 85.6721, 58.4500**, and **18.7982, 31.1462, 12.4182** is the 20% darker color. If you saturate the color by 10%, you get **36.3896, 59.2303, 23.5081**, and if you desaturate by 10%, it is **46.4209, 64.0487, 39.9246**.

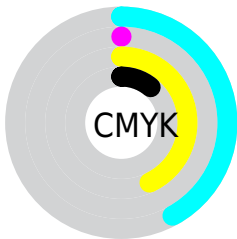
Distribution



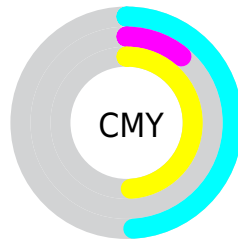
- Red (51%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8584, 61.3752, 30.8122 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 40.8584, 61.3752, 30.8122 by changing the saturation by 10% instead.

40.8584, 61.3752,
30.8122

40.8584, 61.3752,
30.8122

340.8012,
429.6484, 319.9966

28.3956, 44.5280,
20.1986

75.7450, 106.8220,
62.0204

18.7661, 31.0858,
12.3540

98.8995, 136.1904,
83.4521

11.6044, 20.6642,
6.8598

126.3486,
170.5014, 109.3269

6.5452, 12.8788,
3.2975

158.4577,
210.1394, 140.0633

3.2231, 7.3451,
1.2484

195.5922,
255.4886, 176.0800

1.2728, 3.6789,
0.0190

238.1173,

0.1627, 1.4956,

306.9336, 217.7954

0.0000

286.3985,
364.8587, 265.6281

■ 0.0000, 0.2856,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8584, 61.3752,
30.8122

■ 40.8584, 61.3752,
30.8122

■ 36.3896, 59.2303,
23.5081

■ 46.4209, 64.0487,
39.9246

■ 32.9381, 57.5718,
17.8881


■ 53.1376, 67.2742,
50.9501


■ 30.4255, 56.3640,
13.8190


■ 61.0700, 71.0831,
63.9907


■ 28.7596, 55.5626,
11.1458

■ 70.2741, 75.5022,
79.1396

 27.8297, 55.1147,
9.6815

 80.8023, 80.5566,
96.4846

 27.4996, 54.9557,
9.1581

 86.7603, 83.4207,
106.1368

Harmonies

Analogous

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



49.7884, 61.3752, 19.4856



40.8584, 61.3752, 30.8122



36.7921, 61.3752, 56.0249

Triad

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



40.8584, 61.3752, 30.8122



54.4303, 61.3752, 166.6407



85.2389, 61.3752, 44.2194

Complementary

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



40.8584, 61.3752, 30.8122



53.2148, 37.6821, 77.1450

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.



86.9780, 61.3752, 78.9357



40.8584, 61.3752, 30.8122



67.8082, 61.3752, 159.6754

Square

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



40.8584, 61.3752, 30.8122



43.8176, 61.3752, 140.0845



80.1968, 61.3752, 123.5864



75.7503, 61.3752, 24.9628

Rectangle

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



40.8584, 61.3752, 30.8122



36.8926, 61.3752, 81.4403



80.1968, 61.3752, 123.5864



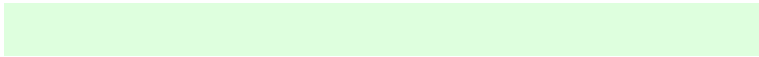
86.7998, 61.3752, 54.0758

Sweetspot

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



40.8599, 61.3778, 30.8136



79.1075, 92.3457, 82.6570



62.7396, 72.0038, 31.7114



16.4140, 19.5169, 16.8396



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.



40.8599, 61.3778, 30.8136



48.1052, 77.4569, 31.8006



44.6012, 62.8565, 51.3177



14.2030, 16.0962, 15.2628



16.0431, 32.0520, 5.3411



1.1904, 2.3710, 0.3949

Inverse Universe

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



53.2148, 37.6821, 77.1450



66.1267, 42.8817, 99.3995



47.9135, 35.5978, 47.5900



14.9797, 14.6073, 18.1743



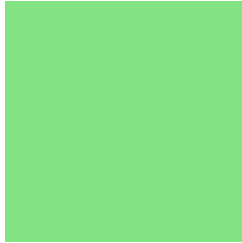
26.1411, 12.5421, 43.4263



1.9365, 0.9293, 3.2093

Previews

White Background



This preview shows how the XYZ color 40.8584, 61.3752, 30.8122 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 40.8584, 61.3752, 30.8122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

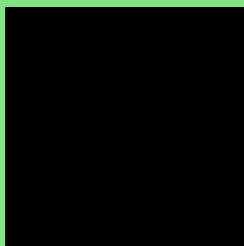
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8584, 61.3752, 30.8122

Background



This preview shows how black text looks on a background with the XYZ color 40.8584, 61.3752, 30.8122.

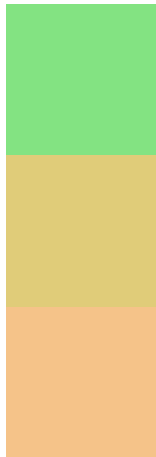


This preview shows how white text looks on a background with the XYZ color 40.8584, 61.3752,

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

40.8584, 61.3752, 30.8122

Protanopia

55.7845, 60.4135, 26.8100

Deuteranopia

61.6867, 60.2488, 32.0449



Tritanopia

51.6284, 61.0064, 85.3982

Trichromacy



Original Color

40.8584, 61.3752, 30.8122



Protanomaly

48.4168, 59.4894, 27.9995



Deuteranomaly

51.5177, 59.1842, 31.2627



Tritanomaly

46.6834, 60.5325, 60.8532

Monochromacy



Original Color

40.8584, 61.3752, 30.8122



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.9398, 53.2097, 44.0310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8584, 61.3752, 30.8122 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(131, 227, 130)` looks like.

```
.text, #text, p{  
    color:rgb(131, 227, 130)  
}
```

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(131, 227, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 227, 130) }
```

Border

The CSS property to change the border of an element to XYZ 40.8584, 61.3752, 30.8122 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(131, 227, 130) }
```


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

```
.border{ border-color:rgb(131, 227, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 227, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 227, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 227, 130);  
box-shadow:4px 4px 4px 4px rgb(131, 227,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8584, 61.3752, 30.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 227, 130) }
```

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

```
.background{ background-color: rgb(131,  
227, 130) }
```

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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