

Converting Colors

XYZ(40.5963, 61.1886, 32.2748)

Have a look what the booklet for
XYZ(40.5963, 61.1886, 32.2748)
contains.

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Color

**XYZ(40.6742, 61.2486,
32.2327)**

Conversions

Conversions Part 1

Format	Color
Hex	80E386
RGB	128, 227, 134
RGB Percent	50%, 89%, 53%
CMY	0.4980, 0.1098, 0.4745
CMYK	0.44, 0.00, 0.41, 0.11
HSL	124°, 64%, 70%
HSV	124°, 44%, 89%
XYZ	40.6742, 61.2486, 32.2327
YIQ	186.7970, -29.1510, -49.9110

Conversions

Conversions Part 2

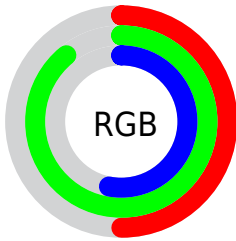
Format	Color
RYB	128, 221, 227
Decimal	8446854
CIELab	82.51, -47.83, 36.56
CIELCh	83, 60.203, 142.612
Yxy	61.2486, 0.3032, 0.4565
Android (android.graphics.Color)	4286636934 (0xFF80E386)
YUV	186.7970, -26.0289, -51.5650
Hunter-Lab	78.2615, -44.1873, 30.3639

Details

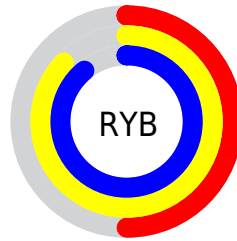
The XYZ color **40.6742, 61.2486, 32.2327** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **52.4507, 36.9907, 72.7837**, and the grayscale version is **47.2747, 49.7367, 54.1632**.

A 20% lighter version of the original color is **64.8447, 85.4651, 60.6557**, and **18.7228, 31.0899, 13.1978** is the 20% darker color. If you saturate the color by 10%, you get **36.2939, 59.1471, 25.0317**, and if you desaturate by 10%, it is **46.1213, 63.8689, 41.0516**.

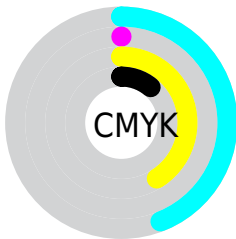
Distribution



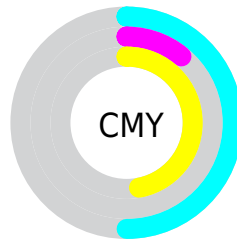
- Red (50%)
- Green (89%)
- Blue (53%)



- Red (50%)
- Yellow (87%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)



- Cyan (50%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6742, 61.2486, 32.2327 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 40.6742, 61.2486, 32.2327 by changing the saturation by 10% instead.

■ 40.6742, 61.2486,
32.2327

■ 40.6742, 61.2486,
32.2327

340.0430,
429.1849, 326.7032

■ 28.2511, 44.4258,
21.2730

■ 75.4669, 106.6388,
64.2779

■ 18.6565, 31.0054,
13.1305

■ 98.5673, 135.9750,
86.2004

■ 11.5249, 20.6030,
7.3867

■ 125.9574,
170.2512, 112.6143

■ 6.4909, 12.8341,
3.6230

158.0028,
209.8517, 143.9381

■ 3.1893, 7.3144,
1.4209

195.0687,
255.1609, 180.5904

■ 1.2546, 3.6595,
0.1579

237.5204,

■ 0.1489, 1.4850,

306.5633, 222.9896

0.0000

285.7234,
364.4431, 271.5544

■ 0.0000, 0.2781,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6742, 61.2486,
32.2327

■ 40.6742, 61.2486,
32.2327

■ 36.2939, 59.1471,
25.0317

■ 46.1213, 63.8689,
41.0516

■ 32.9060, 57.5229,
19.3466


■ 52.6939, 67.0311,
51.5739


■ 30.4341, 56.3407,
15.0701


■ 60.4520, 70.7661,
63.8843


■ 28.7886, 55.5569,
12.0795

■ 69.4500, 75.1003,
78.0602

 27.8615, 55.1189,
10.2308

 79.7388, 80.0584,
94.1749

 27.5480, 54.9717,
9.5657

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



49.2040, 61.2486, 20.3101



40.6742, 61.2486, 32.2327



36.9502, 61.2486, 57.9805

Triad

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



40.6742, 61.2486, 32.2327



55.0889, 61.2486, 164.6305



84.1946, 61.2486, 42.9704

Complementary

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



40.6742, 61.2486, 32.2327



52.4507, 36.9907, 72.7837

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.



86.3848, 61.2486, 76.2293



40.6742, 61.2486, 32.2327



68.2639, 61.2486, 155.9071

Square

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



40.6742, 61.2486, 32.2327



44.4372, 61.2486, 140.3912



80.1882, 61.2486, 119.6804



74.5814, 61.2486, 24.7234

Rectangle

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



40.6742, 61.2486, 32.2327



37.2405, 61.2486, 83.4031



80.1882, 61.2486, 119.6804



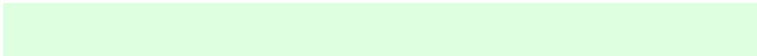
85.8759, 61.2486, 52.3724

Sweetspot

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



40.6757, 61.2512, 32.2341



79.2738, 92.4001, 84.0782



61.5075, 72.0373, 31.0851



16.4543, 19.5301, 17.1840



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.



40.6757, 61.2512, 32.2341



47.9016, 77.3104, 33.6716



44.8629, 62.9260, 54.2831



14.2246, 16.1033, 15.4474



16.0794, 32.0639, 5.6527



1.2008, 2.3744, 0.4838

Inverse Universe

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



52.4507, 36.9907, 72.7837



65.0312, 41.9905, 92.6416



46.8988, 34.7699, 43.5478



14.9554, 14.5993, 17.9655



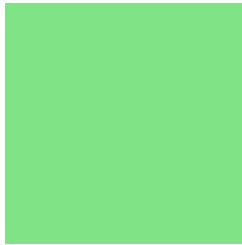
25.5130, 12.3394, 37.9259



1.8968, 0.9164, 2.8633

Previews

White Background



This preview shows how the XYZ color 40.6742, 61.2486, 32.2327 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 40.6742, 61.2486, 32.2327 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 40.6742, 61.2486, 32.2327

Background



This preview shows how black text looks on a background with the XYZ color 40.6742, 61.2486, 32.2327.



This preview shows how white text looks on a background with the XYZ color 40.6742, 61.2486,

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

40.6742, 61.2486, 32.2327

Protanopia

55.7260, 60.3544, 28.1145

Deuteranopia

61.6311, 60.1864, 33.5681



Tritanopia

51.2212, 60.7800, 86.1229

Trichromacy



Original Color

40.6742, 61.2486, 32.2327



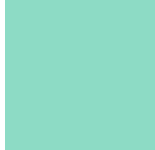
Protanomaly

48.1788, 59.3368, 29.3359



Deuteranomaly

51.2574, 59.0172, 32.7347



Tritanomaly

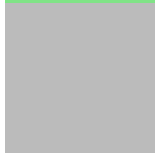
46.3941, 60.3570, 62.0282

Monochromacy



Original Color

40.6742, 61.2486, 32.2327



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.9143, 53.1752, 44.9951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6742, 61.2486, 32.2327 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(128, 227, 134)` looks like.

```
.text, #text, p{  
    color:rgb(128, 227, 134)  
}
```

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(128, 227, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 227, 134) }
```

Border

The CSS property to change the border of an element to XYZ 40.6742, 61.2486, 32.2327 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(128, 227, 134) }
```


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

```
.border{ border-color:rgb(128, 227, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 227, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 227, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 227, 134);  
box-shadow:4px 4px 4px 4px rgb(128, 227,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6742, 61.2486, 32.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 227, 134) }
```

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

```
.background{ background-color: rgb(128,  
227, 134) }
```

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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