

Converting Colors

XYZ(40.6706, 61.5598, 25.6887)

Have a look what the booklet for
XYZ(40.6706, 61.5598, 25.6887)
contains.

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Color

**XYZ(40.4980, 61.3040,
25.6180)**

Conversions

Conversions Part 1

Format	Color
Hex	87E372
RGB	135, 227, 114
RGB Percent	53%, 89%, 45%
CMY	0.4706, 0.1098, 0.5529
CMYK	0.41, 0.00, 0.50, 0.11
HSL	109°, 67%, 67%
HSV	109°, 50%, 89%
XYZ	40.4980, 61.3040, 25.6180
YIQ	186.6100, -18.5590, -54.6470

Conversions

Conversions Part 2

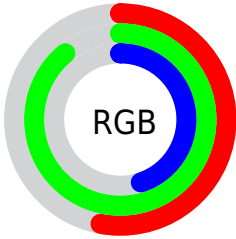
Format	Color
RYB	114, 227, 206
Decimal	8905586
CIELab	82.54, -48.51, 46.43
CIElCh	83, 67.147, 136.253
Yxy	61.3040, 0.3178, 0.4811
Android (android.graphics.Color)	4287095666 (0xFF87E372)
YUV	186.6100, -35.7967, -45.2620
Hunter-Lab	78.2969, -44.6928, 35.4087

Details

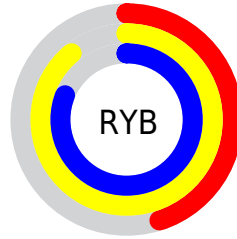
The XYZ color **40.4980, 61.3040, 25.6180** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.3392, 30.7046, 76.2134**, and the grayscale version is **47.2183, 49.6774, 54.0987**.

A 20% lighter version of the original color is **64.5661, 85.5536, 50.1563**, and **18.5743, 31.0933, 9.5801** is the 20% darker color. If you saturate the color by 10%, you get **36.6433, 59.4499, 19.5098**, and if you desaturate by 10%, it is **45.1926, 63.5577, 33.4416**.

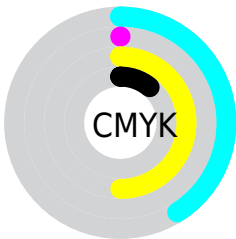
Distribution



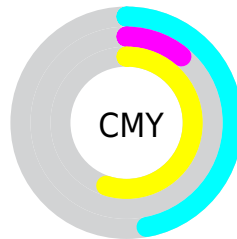
- Red (53%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4980, 61.3040, 25.6180 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 40.4980, 61.3040, 25.6180 by changing the saturation by 10% instead.


 40.4980, 61.3040,
25.6180


 40.4980, 61.3040,
25.6180


339.3167,
429.3878, 294.4474


 28.1130, 44.4706,
16.3149


 75.2008, 106.7190,
53.6345

 18.5517, 31.0406,
9.5905


 98.2493, 136.0693,
73.1850

 11.4489, 20.6298,
5.0263


 125.5829,
170.3607, 96.9884

 6.4391, 12.8536,
2.2037

157.5671,
209.9776, 125.4632

 3.1571, 7.3278,
0.6765

194.5673,
255.3043, 159.0280

 1.2374, 3.6680,
0.0000

236.9487,

 0.1356, 1.4896,

306.7254, 198.1012

0.0000

285.0767,
364.6250, 243.1015

■ 0.0000, 0.2814,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4980, 61.3040,
25.6180

■ 40.4980, 61.3040,
25.6180

■ 36.6433, 59.4499,
19.5098

■ 45.1926, 63.5577,
33.4416

■ 33.5730, 57.9641,
14.9844


■ 50.7691, 66.2247,
43.0919


■ 31.2322, 56.8233,
11.8965


■ 57.2718, 69.3273,
54.6756


■ 29.5558, 55.9977,
10.0721

■ 64.7410, 72.8842,
68.2902

 28.4522, 55.4465,
9.2171

 73.2142, 76.9128,
84.0262

 28.4326, 55.4368,
9.2018

 82.7272, 81.4296,
101.9692

 86.7604, 83.4207,
106.1368

Harmonies

Analogous

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



50.8708, 61.3040, 15.9530



40.4980, 61.3040, 25.6180



35.3362, 61.3040, 49.6535

Triad

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



40.4980, 61.3040, 25.6180



51.9443, 61.3040, 176.9115



89.0271, 61.3040, 46.9598

Complementary

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



40.4980, 61.3040, 25.6180



45.3392, 30.7046, 76.2134

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.



89.4426, 61.3040, 87.3785



40.4980, 61.3040, 25.6180



66.3488, 61.3040, 175.2019

Square

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



40.4980, 61.3040, 25.6180



41.1720, 61.3040, 141.7968



80.5967, 61.3040, 137.7918



79.5407, 61.3040, 24.3475

Rectangle

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



40.4980, 61.3040, 25.6180



34.8887, 61.3040, 75.7454



80.5967, 61.3040, 137.7918



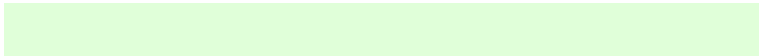
90.2799, 61.3040, 58.4959

Sweetspot

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



40.4995, 61.3066, 25.6194



78.9481, 92.3413, 79.1379



56.4066, 60.9248, 24.7073



16.4647, 19.5584, 16.1510



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.



40.4995, 61.3066, 25.6194



47.4302, 77.2591, 24.9831



39.7479, 60.6534, 37.5893



14.4379, 16.2173, 15.2737



16.6526, 32.3662, 5.3696



1.3024, 2.4288, 0.4002

Inverse Universe

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



45.3392, 30.7046, 76.2134



54.3447, 32.9839, 98.1100



47.3350, 32.2219, 54.2377



14.7188, 14.4728, 18.1621



19.8220, 9.2845, 43.1305



1.5330, 0.7213, 3.1904

Previews

White Background



This preview shows how the XYZ color 40.4980, 61.3040, 25.6180 looks on a white background.

Color Contrast Check

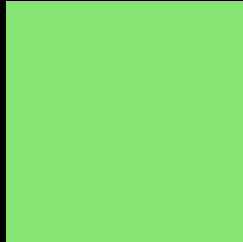
Large Text (above 18pt) WCAG AA × Fail

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 40.4980, 61.3040, 25.6180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

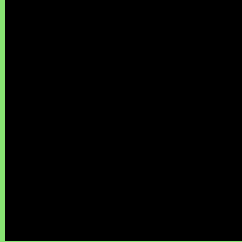
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4980, 61.3040, 25.6180

Background



This preview shows how black text looks on a background with the XYZ color 40.4980, 61.3040, 25.6180.



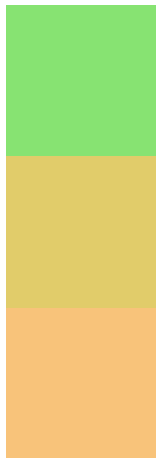
This preview shows how white text looks on a background with the XYZ color 40.4980, 61.3040,

25.6180.

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

40.4980, 61.3040, 25.6180

Protanopia

55.2457, 60.2339, 22.3502

Deuteranopia

61.7394, 60.3918, 26.8151



Tritanopia

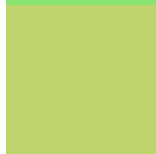
52.1807, 60.9306, 84.6119

Trichromacy



Original Color

40.4980, 61.3040, 25.6180



Protanomaly

48.0420, 59.3976, 23.4008



Deuteranomaly

51.3747, 59.2230, 26.1762



Tritanomaly

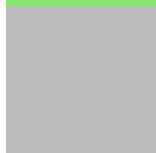
46.6214, 60.5898, 56.8147

Monochromacy



Original Color

40.4980, 61.3040, 25.6180



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.6141, 53.1040, 41.2091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4980, 61.3040, 25.6180 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(135, 227, 114)` looks like.

```
.text, #text, p{  
    color:rgb(135, 227, 114)  
}
```

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(135, 227, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 227, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.4980, 61.3040, 25.6180 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(135, 227, 114) }
```


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

```
.border{ border-color:rgb(135, 227, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 227, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 227, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 227, 114);  
box-shadow:4px 4px 4px 4px rgb(135, 227,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4980, 61.3040, 25.6180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 227, 114) }
```

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

```
.background{ background-color: rgb(135,  
227, 114) }
```

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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